01932365

EXHIBIT(s) FOR ORDER NO(s).

527 - 4

Whiting Oil & Gas Corporation

Setback Application for the Iles & Sego, Mesaverde Group

Township 2 and 3 South, Range 97 and 98 West,
Rio Blanco County, Colorado

Cause No. 527
Docket No. 0708-SP-20

August 2006

Table of Exhibits

Bill R. Moomey

15983 E Loyola Dr • Aurora, Colorado 80013 • (303) 390-4261 W • billm@whiting com
(303) 690-7478 H

PROFESSIONAL EXPERIENCE:

WHITING PETROLEUM CORP., DENVER, CO
(April, 2005 – Present) Regional Land Manager, Central Rockies
Responsible for all land related activities for the States of Colorado, Wyoming, Utah, Western Montana and California Supervise one other Landman

INDEPENDENT PETROLEUM LANDMAN, DENVER, CO
(October, 1986 – April, 2005)
Worked with various independent geologists and geophysics putting together geological prospects for drilling by third parties Did land consulting work with various companies as time permitted

CENTURY OIL & GAS CORPORATION, DENVER, CO
(October, 1981 – January, 1986) Vice President, Land
Was responsible for all land activities for the company to include the lease records department Supervised one landman and three lease records personnel

MARATHON OIL COMPANY, CASPER, WY
(April, 1974 – October, 1981) Various Land Assignments
(Sept , 1980 – Oct , 1981) – Responsible for office in Denver, Colo to represent Marathon Oil Co to the industry in the Denver area
(Aug , 1979 – Sept , 1980) – Team Leader for the Green River Basin area Supervised Two geologists, one geophysics and one landman
(Apr , 1974 – Aug , 1979 – Senior Landman responsible for general land work for areas assigned to include oil and gas leasing, contract administration, etc

MARATHON OIL COMPANY, GRAND RAPIDS, MICH
(February, 1969 – April, 1974) Sales Representative, Retail Marketing Department
Responsible for service stations, bulk plants and company jobbers for the western most part of the State of Michigan Office was out of my home in the Grand Rapids, Michigan Area with supervisor located in Lansing, Michigan

EDUCATION:

1968 Central Michigan University -- B S B A
1979 Marathon Oil Company Management Practices Program

ORGANIZATIONS:

American Association or Professional Landmen
Denver Association of Petroleum Landmen
Wyoming Association of Professional Landmen
Landman's Association of North Dakota

DALTON L. RASMUSSEN
Petroleum Geologist
Whiting Petroleum Corporation
1700 Broadway, Suite 2300
Denver, CO 80290-2300
303.390.4093
larryr@whiting.com

PROFESSIONAL EXPERIENCE

Oct 2004 – Present

Geologist, Central Rockies
Whiting Petroleum Corporation
Denver, Colorado

Construct detailed geologic framework for the northern Piceance basin, and build multi-well exploration plan with targets in Tertiary and Cretaceous reservoirs, manage 16-well development program at Hiawatha gas field in Moffat County, Colorado, develop operated properties, and generate and evaluate prospects in Colorado, Utah, Wyoming and Montana

Dec 2003 – Oct 2004

Manager of Geoscience
Platte River Associates, Inc.
Boulder, Colorado

Managed a geologic staff of four employees responsible for quality assurance testing of company software, technical support, consulting services and marketing, consulted to international petroleum exploration companies to analyze hydrocarbon charge potential and risk for plays and prospects, coordinated and conducted training seminars that focused on theory and practical application of basin analysis and petroleum system analysis, maintained strong relationships with international clientele, fostered growth through software marketing and sales

Nov 2000 – Dec 2003

Staff Geologist, Software Specialist
Platte River Associates, Inc.
Boulder, Colorado

Generated revenue via marketing software to international exploration companies, expanded and retained customer base resulting in increased revenue stream, consulted on international exploration projects, coordinated and conducted software training courses, oversaw quality assurance testing of software, provided technical support

Sept 1995 – Nov 2000	**Staff Geologist, Software QA Tester** **Platte River Associates, Inc.** **Boulder, Colorado** Conducted all quality assurance testing of company software on PC and UNIX platforms, contributed to software documentation, provided technical customer support, prepared marketing materials, wrote software requirements
May 1994 – May 1995	**Research Assistant** **U.S. Geological Survey** **Reston, Virginia** Collected and prepared bulk samples, and identified fossil material for the purpose of constructing a biostratigraphic and lithostratigraphic framework for the late Tertiary and Quaternary of southern Florida
Aug 1993 – May 1995	**Graduate Teaching Assistant** **Old Dominion University** **Norfolk, Virginia** Conducted geology laboratories for beginning and advanced undergraduate geology courses, tailored lab curriculum to reinforce topics covered during lecture
July 1992 – July 1993	**Geologist** **Rocky Mountain Geological Databases, Inc** **Denver, Colorado** Collected geology and production data for the Paradox Basin, correlated well logs and constructed geologic cross sections
May 1989 – May 1992	**Geologist** **Platte River Associates, Inc.** **Denver, Colorado** Digitized land grid from USGS topo quads, tested DOS- and Windows-based basin modeling applications

EDUCATION

May 1997	**M.S. Geology** **Old Dominion University** **Norfolk, Virginia**
Aug 1990	**B.A. Geology** **University of Colorado** **Boulder, Colorado**

PUBLICATIONS AND EXHIBITIONS

Rasmussen, D L., D L Rasmussen, R J Coskey, 2004, Analysis of the Pennsylvanian petroleum system in the Paradox Basin fold and fault belt, Colorado and Utah, AAPG Rocky Mountain Section Meeting

Rasmussen, D L , **D.L Rasmussen**, 2004, New gas plays in fractured organic-rich shales and their interbeds in the eastern Paradox Basin of Colorado and Utah, AAPG Rocky Mountain Section Meeting

Rasmussen, D L , **D L. Rasmussen**, 2004, Gas Play in stacked dolomitized Pennsylvanian carbonates on the south rim of the Paradox Basin, extending through parts of Colorado, New Mexico, Arizona and Utah, AAPG Rocky Mountain Section Meeting

Williams, G , V Matt, C N Wold, A Spargo, **D.L. Rasmussen**, R Bouroullec, P Weimer, J E Leonard, M W Titus, 2004, Application of 4-D petroleum system analysis to the northeastern deep Gulf of Mexico, AAPG International Meeting

Rasmussen, D.L., D L Rasmussen, 2003, Pennsylvanian Hermosa Group depositional trends during progressive burial of pre-Hermosa terrain in the early structural history of the Paradox Basin, Utah and Colorado, AAPG Annual Meeting

Rasmussen, D L , **D.L. Rasmussen**, 2003, Lithofacies and sequence stratigraphy from well logs for the cyclic Morrowan to Wolfcampian Hermosa Group strata, Paradox Basin, Utah and Colorado, AAPG Annual Meeting

Rasmussen, D L , **D.L. Rasmussen**, 2002, Sequence stratigraphy of the late Pennsylvanian to early Permian Honaker Trail and Elephant Canyon strata, Paradox Basin, Utah and Colorado, AAPG Rocky Mountain Section Meeting

Wold, C N , R J Coskey, **D.L. Rasmussen**, J E Leonard, 1999, How modern petroleum system modeling tools could have reduced risk at different stages of exploration in the Powder River Basin, AAPG Annual Meeting

Wold, C N , R J Coskey, **D.L. Rasmussen**, J E Leonard, 1999, Structural influence on the evolution of petroleum systems in the Powder River Basin, Hedberg International Conference

Liu, J , C O Leonard, **D.L. Rasmussen**, 1996, A quantitative study of the petroleum generation and migration development in the Tarim Basin, China, AAPG Annual Meeting

Basis for completing the Iles and Sego at 10-acre density

I. Two geologic models support 10-acre density

a Conforms to the Williams Fork fluvial sand body model – coastal plain fluvial sandstone bodies in the upper Corcoran and Cozzette members are of limited lateral extent and isolated/sealed in mudstone

b Conforms to the Iles shoreface sandstone model – increased density in the Iles has been granted on four separate occasions on the basis of this model which demonstrates a heterogeneous, compartmentalized reservoir with low and discontinuous reservoir properties

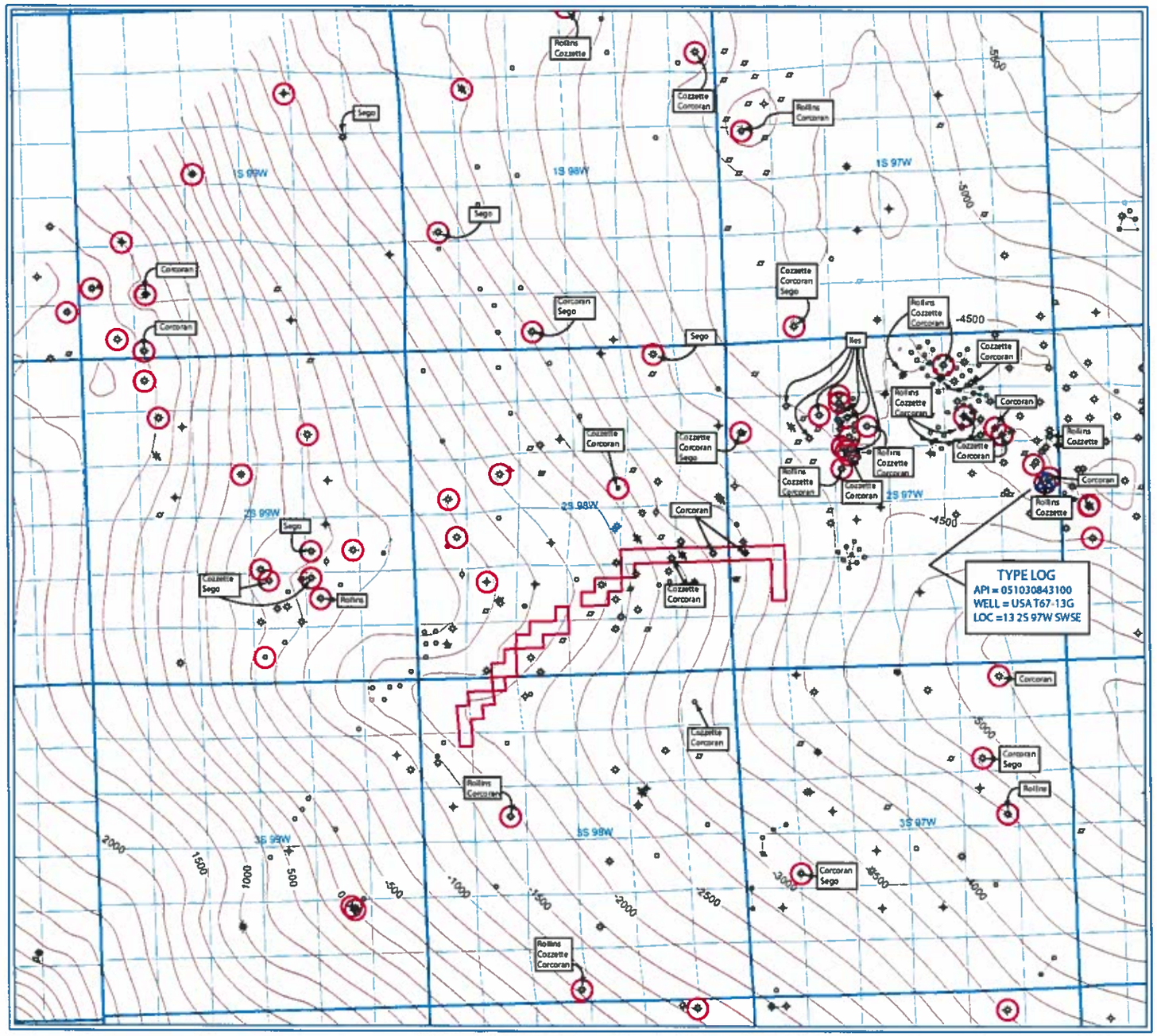
II Well economics supports 10-acre density

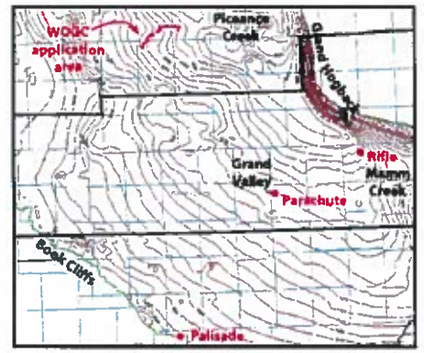
a The amount of gas in place in the Iles/Sego is not sufficient to make an Iles/Sego well economic on its own – it is only economic when produced along with gas from the Williams Fork A significant amount of gas will be left behind if the Iles and Sego are not drilled and produced along with the Williams Fork

WHITING

Whiting Petroleum Corporation

EXHIBIT G1
CAUSE NO. 527
DOCKET NO 0708-SP-20





Whiting Petroleum Corporation

EXHIBIT: G2
CAUSE NO. 527
DOCKET NO. 0708-SP-20

Piceance Basin, Sulphur Creek
Rio Blanco County, CO

KEY

Rollins SS Structure CI=500'

Rollins SS Penetrations

WOGC Spacing Application Area

0 5,500
FEET

Thomas B. Smith, P.E.

7934 S Gaylord Ct
Centennial, CO 80122
303 638 8224
toms@whiting.com

Summary of Work Experience

July 2004- present Sr. Operations Engineer, Whiting Petroleum Corporation Denver, CO

Oversee all phases of operations and completion engineering for the Central Rockies area, including oil and conventional gas properties Areas include Piceance Basin, Green River Basin, Big Horn Basin, Sacramento CA Basin, and Uinta Basin I am responsible for optimizing existing production and overseeing infill development of these areas which are currently producing at a total rate of 2000 BOPD and 16 MMCFPD I supervise 2 Company foremen and several company field employees and several contract pumpers in the smaller fields I work on an asset team with geologist and land department support to plan and execute capital development projects in my areas and in new exploration/exploitation plays I am presently managing completion and facilities installation following behind 2 drilling rigs in the Piceance Basin

September 2003-July 2004 Petroleum Engineering Consultant Denver, CO

Various consulting/professional engineering jobs in Denver area

January 2002-September 2003 Sr. Reservoir Engineer Denver, CO

Worked as a Senior Reservoir Engineer in Marathon's Powder River Business Unit, based in Denver, CO, with field operations in the Gillette, Wyoming area My responsibilities included Coal Bed Methane reservoir engineering, production engineering, and drilling engineering to some degree, mainly assisting with drilling techniques and new processes for cutting drilling costs in the Coal Bed Methane play I also assisted with the engineering and economic evaluation of undeveloped and producing property trades and acquisitions I recommended and designed remedial well work, stimulation, and cementing in the Coal Bed methane play, overseeing approximately 1600 producing CBM wells My drilling budget in 2003 consisted of approximately 200 wells in several known field areas with several pilot coal projects in newly formed Federal Exploratory Units I was responsible for the economic analysis of projects, budget preparation and presentation to management, production forecasting and expense forecasting for my areas of responsibility I was responsible for overseeing and performing all of Marathon's engineering expert witness functions at the Wyoming Oil and Gas Commission I was successful in obtaining a large number of exception locations, blower applications, and spacing rulings over the past 18 months I was involved in the testing of several new CBM production-related products in the field, several of which I have patent applications undergoing review

November 2000 – December 2001 Sr. Reservoir Engineer Midland, TX

Worked as a Senior Reservoir Engineer in Marathon's Southern Business Unit's Business Development Group, based in Midland, TX My responsibilities included asset trade and acquisition recommendations, disposition evaluation and portfolio rationalization, and new business opportunity advancement I have evaluated several $300MM plus acquisition opportunities and prepared detailed

acquisition recommendations to the Board of Directors of the company during this period We were unsuccessful in our bids due mainly to the state of the acquisition market that year At the time of my transfer to Denver I was working on several asset trade opportunities that allow Marathon to "core up" its assets in several key producing areas My areas of knowledge and expertise include gas plays in East Texas, South Texas, North Louisiana, and the Rockies (oil and gas plays)

August 1998 – November 2000 Sr. Reservoir Engineer Tyler, TX

Worked as a Senior Reservoir Engineer in Marathon's Tyler, TX business unit, which was merged with the Midland, TX office in November 2000 as a part of a company restructuring effort My responsibilities in Tyler were similar in scope as those I mentioned above The business development groups' efforts in Tyler were focused primarily on expanding our presence into South Texas in the Frio and Vicksburg gas plays I was a member of a task force that was charged with preparing a business model for expansion into S Texas, and presenting the findings to executive management for approval Our team was successful in convincing management that S Texas was a viable business opportunity for Marathon in the Onshore U S Shortly after our recommendations were approved, a change in Sr Management due to retirements led to a reassessment of the growth areas for the company The direction was changed from onshore U S gas growth to primarily high impact international growth, thus the S Texas expansion was bypassed On a more positive note, however, our Business Dev team was successful in a $50MM acquisition of tight gas assets in the Oletha Field, Limestone Co , TX, which we have since drilled 15 wells and more than doubled the previous operators gas production rate and proven reserves

November 1996 – August 1998 Advanced Reservoir Engineer Cody, WY

Worked as an Advanced Reservoir Engineer in Marathon's Rocky Mountain Region with responsibilities for coordinating an exploitation/exploration effort located in the Greater Green River Basin in Southwest Wyoming Marathon had entered into an Exploration Agreement with Celsius Energy to shoot a large 3-D survey to earn an interest in a large, under-exploited area called the Vermillion Basin My role as the technical committee leader was to maintain proper communication between the two companies, organize technical meetings to discuss well proposals, completions, and budget forecasts Marathon was successful in drilling a $4 5 MM well that came on at over 12 MMcf/d and has an EUR of over 13 BCF as the initial drill well under the agreement The well employed several new techniques such as an open-hole, natural completion and a directionally drilled, highly deviated well bore to intersect natural fractures which were identified as being key to the deliverability of gas from the tight Nugget Sand This was an example of using applicable technology to insure potential business opportunities are not overlooked or missed I worked with a team consisting of land, geology, geophysics, and engineering professionals during this period of time My understanding of 3-D seismic and structural geology was greatly enhanced, as was my understanding of exploration risk management and the methods for properly risking and ranking various exploration projects This experience allowed me to easily understand the South Texas faulted sand reservoirs and how 3-D seismic has been applied successfully to fuel reserve growth in the last 8 years

November 1994 – November 1996 Advanced Reservoir Engineer Cody, WY

I was assigned to the Business Development Group in Cody, Wyoming working mainly on acquisition evaluations During this period of time, I was placed on a team that was charged with evaluating the potential for gas growth in Southwest Wyoming As a result of that work, we were able

to convince Celsius Energy to partner with us under an Exploration Agreement that covered over 130 square miles in Southwest Wyoming and Northwest Colorado I was responsible for preparing a business model for the project and presenting the economics to the Board of Directors for approval to proceed We were successful in our efforts and were granted approval to enter into the Agreement This was my first real exposure to a large exploration/exploitation project and gave me valuable experience in project management and business economics

January 1993 – November 1994 Advanced Reservoir Engineer Cody, WY

I was assigned to a staff Reservoir Engineering position with responsibility for the development of several fields under water flood and miscible gas flood in Wyoming and the a gas injection project in the Morrow Sand in Eastern Colorado I prepared AFE's for infill drilling, recompletions, and a gas injection project I was involved in reserve bookings, budgeting and performance monitoring via reservoir simulation I presented at several operating committee meetings with regard to new well proposals and performance of the secondary recovery processes

September 1990 – January 1993 Field Sup't/Prod. Foreman Grass Cr., WY

I worked as a Field Superintendent and Production Foreman at Marathon's Grass Creek Field This field produced about 10,000 BOPD from stacked reservoirs under water flood and polymer flood The field employed about 40 company and 10 full time contractors, not including drilling and workover crews I was responsible for all supervisory aspects at this remote field location, and reported to a Operations Sup't located 50 miles away Our main focus was in keeping lifting costs low, maintaining a safe and environmentally clean operation, and minimizing production downtime in order to meet production goals The fields were initially discovered in the early 1920's, so there were numerous old well bores and plugging of wells was ongoing and rather commonplace This experience has served me well over the years as a good base of knowledge of surface facilities, down hole operations, and field supervision of employees

September 1987 – September 1990 Workover/Completions Supv. Grass Cr., WY

I worked as a Workover and Completions Supervisor based at Marathon's Grass Creek Field I was responsible for supervising contract completion rigs that were performing completion and workover operations I was involved performing deepenings, sidetracks, casing liner installations, supervising frac and acid jobs and supervising fishing operations This was a great way to learn the mechanical aspects of down hole operations, and prepared me well for future assignments in more adverse and higher cost environments

May 1981 – September 1987 Production Engineer Cody, WY

During this time period I was a production and facilities engineer assigned to several different field areas, all under water flood At that time, infill drilling and injection conformance improvement methods were being used to improve sweep efficiency from old water floods that had been neglected during low oil price periods I performed the typical engineering tasks like writing up well work proposals, obtaining bids for pumping equipment, scheduling projects, and preparing cost estimates for surface and down hole projects I was responsible for the design and construction of a $3MM polymer injection project in the Grass Creek Field I was introduced to process control and instrumentation during this time, and became familiar with construction procedures and design of surface oil treating and water handling facilities

EDUCATION

1981	B S PETROLEUM ENGINEERING WITH HIGH HONOR, MONTANA TECH, BUTTE, MONTANA
1981-2007	NUMEROUS OIL & GAS INDUSTRY SCHOOLS, TRAINING SESSIONS, SPE TECHNOLOGY WORKSHOPS, ETC

PROFESSIONAL TRAINING AND LICENSES

1986-Present	REGISTERED PROFESSIONAL ENGINEER - STATE OF WYOMING
1990	OSHA COMPETENT PERSON TRAINING - TRENCHING AND SHORING
1991-2006	HAZARDOUS MATERIALS TECHNICIAN LEVEL TRAINING
1991	JOYMAI OIL SPILL RESPONSE TRAINING
1992	CRISIS COMMUNICATION TRAINING

PROFESSIONAL AND INDUSTRY AFFILIATIONS

SOCIETY OF PETROLEUM ENGINEERS - 26 YEAR MEMBER, LOCAL CHAPTER OFFICER POSITIONS

GAS RESEARCH INSTITUTE

PUBLICATIONS AND PATENTS

1988	**SPE/DOE 17383** Field Testing of a New Conformance Improvement Cr+3 Gel Technology
2003	Patents under application for CBM production equipment

STATE OF COLORADO)
) ss
CITY AND COUNTY OF DENVER)

VERIFIED STATEMENT OF THOMAS B. SMITH

In support of the request for Director approval of the Verified Application of Whiting Petroleum Corporation in Cause No 527, Docket No 0708-SP-20, pursuant to Rule 511 b , Thomas B Smith, Senior Operations Engineer of Whiting Petroleum Corporation, upon oath, deposes and states as follows

I am currently employed as Senior Operations Engineer of Whiting Petroleum Corporation I have been and am presently responsible for and have knowledge of the reservoir characteristics of the Iles Formation generally underlying the Application Lands

a I have not testified previously as an expert witness in petroleum engineering matters before the COGCC or before Hearing Officers of the COGCC Attached is a copy of my resume prepared by me Also attached are Exhibits E-1 through E-6 which were prepared by me or under my direction and control I have reviewed the exhibits and to the best of my knowledge and belief, the exhibits are correct and accurate as of the date of this Verified Statement

b Exhibit E-1 depicts several historical spacing/density hearings referencing the Iles Formation presented to the COGCC The important item here is the Iles OGIP/10 acres which ranges anywhere from 49-550 MMCF and the recommended spacing of 10 acres to optimize recovery of the resource

c Exhibit E-2 shows the basis for the volumetric calculation of the 10 acre OGIP for the Iles and Sego formations in the Piceance basin, which are analogous to the OGIP underlying the application lands In the 1440 acres which underlie the application lands, there is an estimated 56 BCF of gas in place at the time prior to first gas production in March of 2007

d Exhibit E-3 indicates the economics of drilling a 10 acre grass roots well that targets only the Iles Formation Such a well would not payout, therefore no such wells would be proposed under the application lands The economic assumptions used to come to this conclusion are shown along with product pricing information that is relevant to the area

e Exhibit E-4 indicates the economics of drilling an additional 1400' tail on a Williams Fork 10 acre density well The Williams Fork Formation, of course, is the main target to be drilled and produced The important point is that in order to achieve the economic benefit of drilling the Iles Formation with the Williams Fork Formation, the downhole setback rules for the Iles Formation must be relaxed to become the same as for the Williams Fork Formation

f Exhibit E-5 is a depiction of the potential drainage patterns with 400' lease line setbacks on two adjacent 40 acre parcels that are currently available for

Iles/Sego development under the application lands Note the amount of potential drainage ellipse overlap and the inefficient drainage on the top and bottom of the 40 acre blocks Note that only 4 Williams Fork/Iles /Sego wells can be drilled on the 80 acres shown, developing only one half the potential Iles/Sego resource base While four additional Williams Fork only wells could be drilled, the current restrictive downhole setbacks for the Iles Formation disallow that formation to be drilled and produced in these four Williams Fork wells It is therefore prudent to allow relaxed setback rules applicable to downhole locations within the Iles Formation to minimize economic waste and maximize resource recovery

g Exhibit E-6 is a depiction of the potential drainage patterns with 200' lease line setbacks on two adjacent 40 acre parcels that are proposed for Iles/Sego development under the application lands Note the lack of drainage ellipse overlap and the more complete coverage on the top of the 40 acre blocks It should also be noted that additional 4 wells could be drilled and produced within the Iles Formation using this pattern

h Exhibit E-7 is a Summary of the important conclusions and recommendations for the application lands The primary recommendation is to allow the Iles/Sego formation to be developed with the identical setback rules appliable to the Williams Fork Formation This would allow the 13 BCF of gas currently available within the Iles/Sego formations underlying the application lands to be developed in conjunction with the Williams Fork formation

By _____
Thomas B Smith

Subscribed and sworn to before me this _____ day of August, 2007 by Thomas B Smith, Senior Operations Engineer of Whiting Petroleum Corporation

Witness my hand and official seal

My commission expires _____

_____
Notary Public

SUMMARY OF ILES FORMATION

SPACING/DENSITY HEARINGS BEFORE THE COGCC

	ORDER NUMBER			
	139-46	139-51	191-10	191-25
APPLICANT	ENCANA	NOBLE ENERGY	BILL BARRETT	ANTERO RESOURCES
DATE OF HEARING	3/22/2005	10/31/2005	4/25/2005	6/5/2006
ORDER SPACING/DENSITY (ACRES)	20	10	10	10
ILES FORMATIONS ANALYZED	COZZETTE / CORCORAN	ROLLINS / COZZETTE / CORCORAN	ROLLINS/ COZZETTE/ CORCORAN	COZZETTE / CORCORAN
FEET PAY		24 - 40		74 - 83
POROSITY %	10			8 5 - 9 1
GAS SATURATION (%)				60 - 70
ILES OGIP/10 ACRES (MMCF)	296	300		332 - 525
ILES EUR (MMCF)	350 **	49	110	113 - 550
DRAINAGE AREA (ACRES)		7 9		4 9 - 14
IP	300		160 MCFD *	

* BASED ON 28 TESTS

** EUR BASED ON 20 ACRE DEVELOPMENT

Whiting Oil and Gas Corporation

Exhibit E-1

Cause 527

Docket No 0708-SP-20

Volumetric Calculation of Original Gas-in-Place for Iles and Sego Formations

	Feet of Pay, ft	Porosity, %	Water Saturation, %	Bgi, rcf/scf	OGIP/Ac, MMCF/AC	OGIP/ 10 Acre, MMCF
Rollins	7	10.6	46.0	0.0040	4.3	42.8
Cozzette	23	11.3	43.5	0.0040	16.0	159.7
Corcoran	24	9.6	43.7	0.0040	14.4	144.3
Sego	7	10.4	48.0	0.0040	4.1	41.3
Total/Avg	**61**	**10.5**	**45.3**		**38.8**	**388.1**

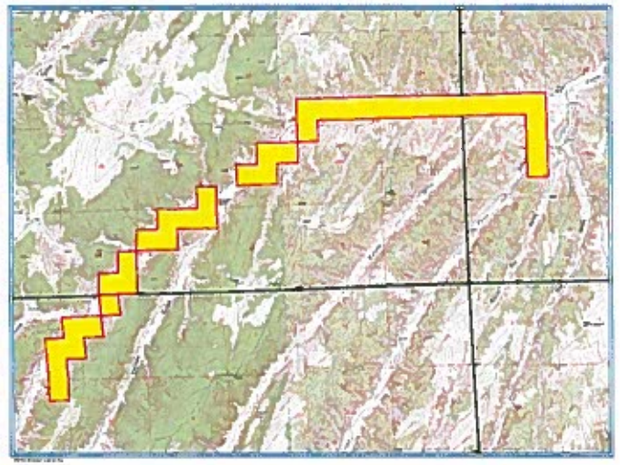
Assumptions:

BH Temperature = 220 F

BH Pressure = 4850 psi

Estimate of Iles Original Gas In Place for Application Lands

1440 Acres x 38.8 MMCF/AC = 56 BCF



Whiting Oil and Gas Corporation

Exhibit E-2

Cause 527

Docket No. 0708-SP-20

Single Well Economic Evaluation
for Iles and Sego Only Development

Assumptions:

Original Gas In Place – Iles and Sego, MMCF (10 Acres)	388
Recovery Factor	70%
Gross Ultimate Recovery - Gas, MMcf	272
First Month Gas Production, Mcfd	350
Royalty Burden	12.5%
Severance and Ad Valorem Taxes	8 0%
Gross Drilling and Completion Costs, $M (11,000' test, assume 3 completion intervals)	2,500
Monthly Lease Operating Costs, $m	3.3
Gas Gathering and Treating Expenses, $/Mcf	0.50
Shrinkage and Fuel	6 0%

Product Pricing:

Gas Price, $/MCF (flat NYMEX Price of $6 79/MMBtu, less $0 75 differential)	6.15
BTU Content, Btu/scf	1,153

Economic Summary:

Undiscounted Payout, yrs	Does not pay out

Whiting Oil and Gas Corporation
Exhibit E-3
Cause 527
Docket No 0708-SP-20

Single Well Economic Evaluation

Incremental Evaluation of Adding Iles and Sego Completions to a Willams Fork Test

Assumptions:

Original Gas In Place – Iles and Sego, MMCF (10 Acres)	388
Recovery Factor	70%
Gross Ultimate Recovery - Gas, MMcf	272
First Month Gas Production, Mcfd	350
Royalty Burden	12 5%
Severance and Ad Valorem Taxes	8 0%
Incremental Gross Drilling and Completion Costs, $M (drill an additional 1,400' to Iles, and, assume 3 completion intervals in Iles)	434
Monthly Lease Operating Costs, $m	3 3
Gas Gathering and Treating Expenses, $/Mcf	0 50
Shrinkage and Fuel	6 0%

Product Pricing:

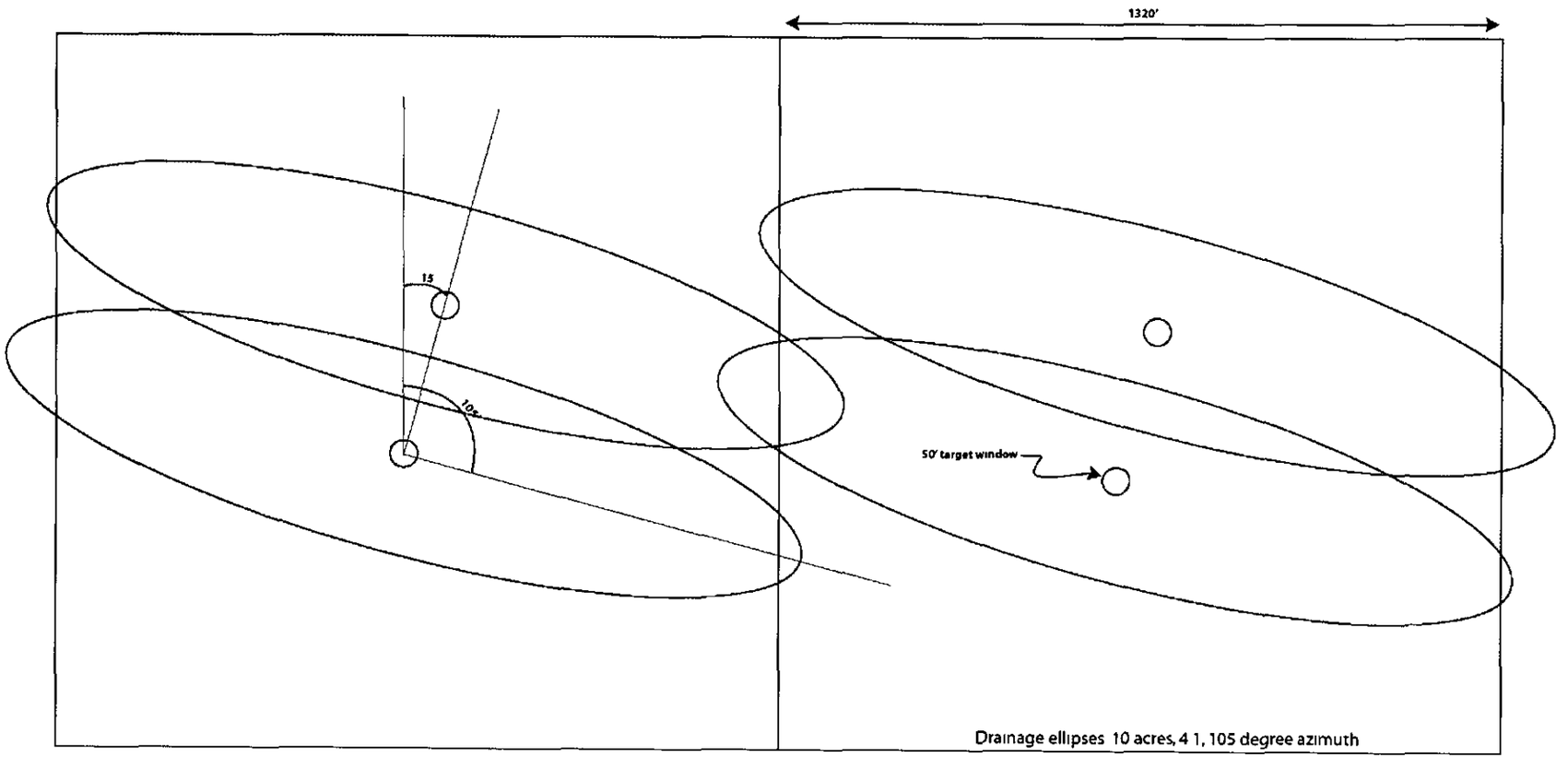
Gas Price, $/MCF (flat NYMEX Price of $6.79/MMBtu, less $0.75 differential)	6.15
BTU Content, Btu/scf	1,153

Economic Summary:

Undiscounted Payout, yrs	1 9
Undiscounted Return on Investment	1.8 to 1

Exceeds Whiting Oil and Gas Requirements

Whiting Oil and Gas Corporation
Exhibit E-4
Cause 527
Docket No 0708-SP-20



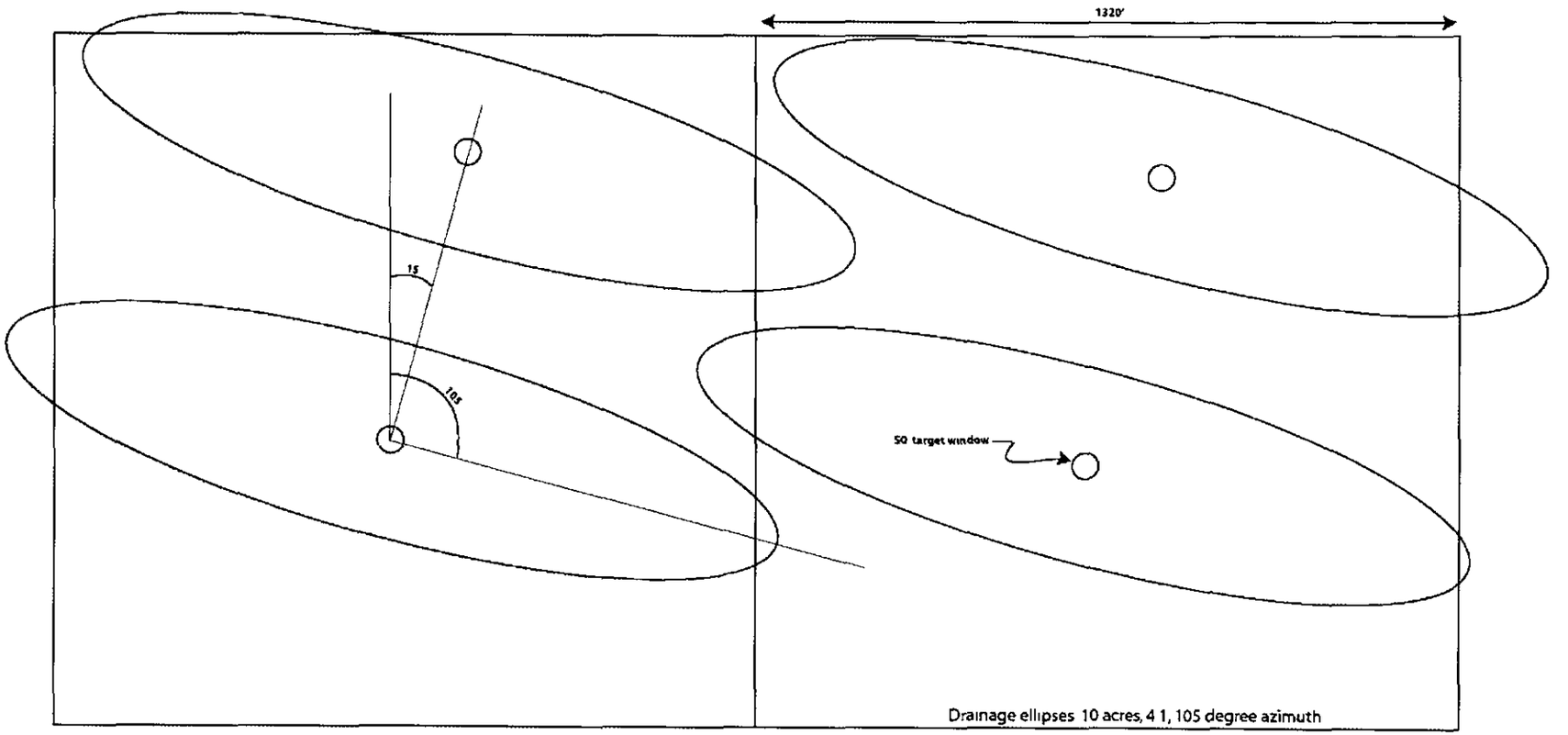
Placement of wells in two adjacent 40-acre blocks with 400' lles setback

Whiting Oil and Gas Corporation

Exhibit E5

Cause 527

Docket No 0708-SP-20



Placement of wells in two adjacent 40-acre blocks with 200' lles setback

Whiting Oil and Gas Corporation

Exhibit E-6

Cause 527

Docket No 0708-SP-20