

DATE: 02-04-99

TO: STATE OF COLORADO  
DEPT. OF NATURAL RESOURCES  
ED Di MATIO AND MARK WEEMS

FROM: NATHAN E. CRAWFORD  
KEY FOUR CORNERS, INC., dba KEY ENERGY SERVICES

**COST SUMMERY – ELLIS #5**

ITEM	NO. OF UNITS /	COST PER UNIT	TOTAL	DISCTIPTION - EXPLANATION
PULLING UNIT	14.5 HRS	\$ 150.00 PER HR	\$ 2,175.00	LINE 1,BID SCHEDULE. PRODUCTIVE RIG TIME
RIG PUMP & PIT	12 HRS	\$ 10.00 PER HR	\$ 120.00	LINE 2, BID SCHEDULE. TOTAL HOURS USED.
CEMENT	94 SX	\$ 7.50 PER SX	\$ 705.00	LINE 3, BID SCHEDULE. TOTAL SX USED TO P&A
WATER TRUCK	4.5 HRS	\$ 42.00 PER HR	\$ 189.00	LINE 4, BID SCHEDULE. TOTAL HRS TO DELIVER FRESS WATER. SEE PINK TICKET # 37144
WATER CHARGE	160 BBL	\$ .15 PER BBL	\$ 24.00	LINE 4, BID SCHEDULE. COST FOR FRESH WATER IN ADDITION TO WATER TRUCK HRS
WIRELINE COST	1 EA	\$ 200.00 PER WELL	\$ 200.00	LINE 5, BID SCHEDULE.
VAC TRUCK	1 EA	\$ 100.00/WELL + 8%	\$ 108.00	3 <sup>RD</sup> PARTY. USED VAC TRUCK TO CIRCULATE INTO. SEE TICKET #2
P&A MARKER	1 EA	\$ 150.00/WELL + 8%	\$ 162.00	3 <sup>RD</sup> PARTY. BUILD AND INSTALL MARKER PLATE. SEE TICKET #3
MYT ELEVATOR	3 EA	\$ 45.00/day + 8%	\$ 145.80	3 <sup>RD</sup> PARTY. 2 7/8" SLIP ELEVATORS.
RIG ANCHORS	1 EA	\$ 629.00 + 8%	\$ 679.32	3 <sup>RD</sup> PARTY. SET AND TEST RIG ANCHORS. SEE TICKETS #6-A, 6-B, 6-C.
CREW TRAVEL	7 HRS	\$ 65.26 PER HR	\$ 456.82	ADDITIONAL. ED'S FORMULA. \$10.00 HR (4 MEN)(1.38 BENEFITS) + 160 MILES / 3.5 HRS (.22 MI)
BULK TRUCKING	3 HRS	\$ 70.00 PER HR	\$ 210.00	ADDITIONAL. TRUCKING CHARGE TO DELIVER BULK CEMENT. SEE DAY SHEET #83798
FLANGE CHARGE	3 EA	\$ 25.00 PER DAY	\$ 75.00	ADDITIONAL. FLANGE USE
FLOAT CHARGE	1 EA	\$ 20.00 PER LOC	\$ 20.00	ADDITIONAL. USED TO STORE WORK STRING AND HOLD TUBING AND RODS.
SALVAGE	930.49 FT	\$ .35 PER FT	<\$ 325.67>	CREDIT ON TBG RETRIEVED
SALVAGE	0 FT	\$ .10 PER FT	<\$ N/A >	CREDIT ON RODS RETRIEVED. NO RODS IN HOLE
<b>TOTAL</b>			<b>\$4,944.27</b>	



02159752



COMPANY State of Colorado  
LEASE Ellis  
WELL NUMBER 5  
STATE / COUNTY Col 12a Plata  
SEC. \_\_\_\_\_ T/S \_\_\_\_\_ RANGE \_\_\_\_\_  
LOG. \_\_\_\_\_ LAT. \_\_\_\_\_

Drill \_\_\_\_\_  
Test \_\_\_\_\_  
Rig Inspection \_\_\_\_\_



Key Energy Services

FOUR CORNERS

P.O. BOX 900

FARMINGTON, NM 87499

RIG NO. 805

DATE: 12-30-98

83797

PHA-902

LEASE

Ellis

WELL NUMBER

# 5

STATE / COUNTY

Colo 1 Montezuma

SEC.

T/S

RANGE

LOG.

LAT.

FARMINGTON, NM 87499

FROM	TO	<input type="checkbox"/> WORKOVER 1322	<input type="checkbox"/> COMPLETION 6235	WELL CODE	CODE
1:00	1:30	Pre Trip			
1:30	3:00	move & spot Equip From #4 - #5 Fill w/ cement			

BA/NO.	CODE		COST	CODE	SALES ITEMS	QTY	PRICE EA.	COST	DOWN HOLE EQUIP.		
	099	Pickup # Radio #		190	S. Stripping Rubber				SIZE		
	155	Rec. Stripping Head (156) Sup.		191	R. Stripping Rubber				COUNT		
	128	Companion Flange		192	27/8 Swab Cups				TGB		
	118	BOP		193	2.00 Swab Cups				Rods		
	143	Power Rod or Tubing Tongs			Other Swab Cups				Rods		
	115	Power Swivel Use Standby		194	Oil Saver Rubbers				Rods		
	145	Pump Used Standby		195	B.J. Tongs Dies				Rods		
	151	Pit		196	Peckomatic Tong Dies				Subs		
	126	Pipe Racks		197	Cavens Slip Segments				Polish Rod		
	125	Cat Walk		198	Pipe Dope				Diesel Gals.	Cost \$	
	144	Tong Heads Size		212	Wiper Rubbers						
	130	Depthometer									
	133	LYT Elevators (135) MYT									
	124	BOP Rams - Additional		RIG TIME			Hours		Rate	\$	
	153	Rod Fishing Tools		RIG TIME			Hours		Rate	\$	
	140	Paraffin Knife		TRAVEL TIME			Hours		Rate	\$	
	137	Light Plant								Accident	
	131	T.I.W. Valve		EMPLOYEE TIME			Hours	S.S. NO.	Y	N	
	119	Closing Unit		Oper.		2					
	215	H2S Equipment		DK. Man							
	141	Manifold		F.H.							
	216	Subsistence		F.H.							
	160	Standing Valve		F.H.							\$
	187	Phone		F.H.							\$
	188	Restroom									
	154	Slips 1 1/4 1 1/2 2 1/16 3 1/2 4 1/2		Operators Signature Joe Hummer					TOTAL DAILY COST \$ N/A		
	116	3.5 Swivel		Pusher Signature							
	120	5000 BOP		Accepted By							
				A.F.E. No.							
				TOTAL MAN HOURS							

TRIP OUT	TRIP OUT	TOTAL MAN HOURS
TRIP IN	TRIP IN	TRIP IN
TRIP OUT	TRIP OUT	TRIP OUT
TUBING SIZE	ROD SIZES	TOTAL FOOTAGE
SAFETY & ENVIRONMENTAL TOPIC		
COMMENTS:		
NEAR MISSES:		
POTENTIAL HAZARDS:		
ODOMETER READING:		
ROUND TRIP MILEAGE:		
WEATHER:		
DAILY SAFETY CHECK LIST		
SAFETY GLASSES <input type="checkbox"/> PERSONAL PROTECTIVE EQUIP <input type="checkbox"/>		
WALK AROUND PICKUP INSPECTION		
Tires		
Lights		
Check H2S Monitor		
Check plug in		
Make sure it is working		
B.O.P.		
Drill		
Test		
Rig Inspection		





Key Energy Services

FOUR CORNERS

P.O. BOX 900

FARMINGTON, NM 87499

RIG NO.

83798  
PHA 902

DATE: 12-31-98

COMPANY STATE OF COLO

LEASE Ellis

WELL NUMBER 5

STATE / COUNTY Colo 1 Montezuma

SEC. T/S RANGE

LOG. LAT.

FROM	TO	<input type="checkbox"/> WORKOVER 1322	<input type="checkbox"/> COMPLETION 6235	WELL CODE	CODE	
9:00	9:30	Proc Trip				
9:30	12:00	Pull Transport Fill w/ Cement pack in yard				
		Bulk Transport				
		3 HRS @ 70 <sup>00</sup>				
		Trucking				
		Flat Rate per Location				

BA/NO.	CODE	COST	CODE	SALES ITEMS	QTY	PRICE EA.	COST	DOWN HOLE EQUIP.	
099	Pickup # Radio #		190	S. Stripping Rubber				SIZE	COUNT
155	Rec. Stripping Head (156) Sup.		191	R. Stripping Rubber				TGB	
128	Companion Flange		192	27/8 Swab Cups				Rods	
118	BOP		193	2.00 Swab Cups				Rods	
143	Power Rod or Tubing Tongs			Other Swab Cups				Rods	
115	Power Swivel Use Standby		194	Oil Saver Rubbers				Rods	
145	Pump Used Standby		195	B.J. Tongs Dies				Rods	
151	Pit		196	Peckomatic Tong Dies				Subs	
126	Pipe Racks		197	Cavens Slip Segments				Polish Rod	
125	Cat Walk		198	Pipe Dope				Diesel Gals.	Cost \$
144	Tong Heads Size		212	Wiper Rubbers					
130	Depthometer								
133	LYT Elevators (135) MYT								
124	BOP Rams - Additional			RIG TIME	Hours		Rate		\$
153	Rod Fishing Tools			RIG TIME	Hours		Rate		\$
140	Paraffin Knife			TRAVEL TIME	Hours	3 (210 <sup>00</sup> )	Rate		\$
137	Light Plant							Accident	
131	T.I.W. Valve			EMPLOYEE TIME	Hours		S.S. NO.	Y	N
119	Closing Unit		Oper.						
215	H2S Equipment		DK. Man						
141	Manifold		F.H.						
216	Subsistence		F.H.						
160	Standing Valve		F.H.						\$
187	Phone		F.H.						\$
188	Restroom								
154	Slips 1 1/4 1 1/2 2 1/8 3 1/2 4 1/2								
116	3.5 Swivel								
120	5000 BOP								
TOTAL DAILY COST								\$	210 <sup>00</sup>
Operators Signature _____									
Pusher Signature _____									
Accepted By _____									
A.F.E. No. _____									

TRIP OUT	TRIP OUT	TOTAL MAN HOURS
TRIP IN	TRIP IN	TRIP IN
TRIP OUT	TRIP OUT	TRIP OUT
TUBING SIZE	ROD SIZES	TOTAL FOOTAGE
SAFETY & ENVIRONMENTAL TOPIC		Person Conducting Meeting _____
COMMENTS:		
NEAR MISSES:		
POTENTIAL HAZARDS:		
ODOMETER READING: _____		
PROPANE: _____		
ROUND TRIP MILEAGE: _____		
RIG HIGHWAY MILEAGE: _____		
WEATHER: _____		
ROAD CONDITIONS: _____		
DAILY SAFETY CHECK LIST		B.O.P.
Safety Glasses <input type="checkbox"/>	Personal Protective Equip <input type="checkbox"/>	Drill Test _____
WALK AROUND PICKUP INSPECTION		Check H2S Monitor _____
Tires _____		Check plug in _____
Lights _____		



RIG NO. 8

DATE: 12-31-98

COMPANY State of Colorado  
LEASE Ellis  
WELL NUMBER 5  
STATE / COUNTY Col La Plata  
SEC. \_\_\_\_\_ T/S \_\_\_\_\_ RANGE \_\_\_\_\_  
LOG. \_\_\_\_\_ LAT. \_\_\_\_\_

TRIP OUT	900	TRIP OUT	TOTAL MAN HOURS	32
TRIP IN	900	TRIP IN	TRIP IN	
TRIP OUT		TRIP OUT	TRIP OUT	
TUBING SIZE	2 7/8	ROD SIZES	TOTAL FOOTAGE	
SAFETY & ENVIRONMENTAL TOPIC		Person Conducting Meeting		
COMMENTS:		B.o.p. Drill		
NEAR MISSES:				
POTENTIAL HAZARDS:				
ODOMETER READING:		PROPANE:		
ROUND TRIP MILEAGE:		RIG HIGHWAY MILEAGE:		
WEATHER:		ROAD CONDITIONS:		
DAILY SAFETY CHECK LIST		WALK AROUND PICKUP INSPECTION		B.O.P.
Safety Glasses	<input checked="" type="checkbox"/>	Tires	OK	Drill
Personal Protective Equip	<input checked="" type="checkbox"/>	Lights	OK	Test
				Rig Inspection









P. O. Box 1208  
Cortez, Colorado 81321

37144

TRUCK NO. 28-11

DRIVER Lab 7

Telephone (970) 565-4882

DATE 12-31-98

CUSTOMER PHA 902

LOCATION Ellis 5

CUSTOMER ORDER NO. PHA 902

ONE-WAY MILES \_\_\_\_\_

FROM Car 2

TO Loc 1

ROUND-TRIP MILES \_\_\_\_\_

		WATER	STARTING TIME	AM PM	STOP TIME	AM PM	HRS.	REC'D BY
1. ROAD TIME OUT		80	7:30	AM		PM		
2. BBLS HAULED		80		AM		PM		
3. BBLS HAULED				AM		PM		
4. BBLS HAULED				AM		PM		
5. BBLS HAULED				AM		PM		
6. BBLS HAULED				AM		PM		
7. BBLS HAULED				AM		PM		
8. BBLS HAULED				AM		PM		
9. BBLS HAULED				AM		PM		
10. BBLS HAULED				AM		PM		
11. BBLS HAULED				AM		PM		
12. ROAD TIME IN	XXXXXX XXXXXX	XXXXXX XXXXXX		AM		PM	4 1/2	
TOTAL BBLS		160	BBLS				4 1/2	\$ 40 PER HR - \$

SUPT. \_\_\_\_\_

REMARKS

Truck City First water @ \$15 BBL

$$(42) 4 \frac{1}{2} = 189.00$$

$$\begin{array}{r} 189.00 \\ 24.00 \\ \hline 213.00 \end{array}$$

Truck \$180.00

City water @ \$15 BBL 24.00

Total \$204.00

$$629.00 \times 8\% =$$

$$679.32$$

5511

# L & R Anchor Service and Test Hole Monitoring

519 E. Animas  
Farmington, NM 87401  
(505) 325-1922  
Roustabout Services

Date: 12-29-98 Contract PHA-902  
Company: State of Colo. Lease: Ellis Well No: #5  
Ico-Key Energy

Work Description: Drive to location  
Set & Test 4 Anchors

Materials Used: \_\_\_\_\_

Equipment Used:	Name or Unit Number	Hours	Rate	Amount
Anchor Truck	<u>T-49</u>	<u>3</u>		<u>484.<sup>00</sup></u>
Test Truck	<u>✓ Test</u>			<u>145.<sup>00</sup></u>
Anchors	<u>4</u>			
2½ Ton Truck				
1 Ton Truck				
Backhoe				
Trailer				
Float				
Pickup				
Other				
Other				
Other				
Foreman Name	<u>Eddie Crow</u> (3)			
Helper Name				
Helper Name				
<u>Nathan</u>				
Sub total				\$ <u>629.<sup>00</sup></u>
Tax				<u>37.35</u>
Total				\$ <u>666.35</u>

Foreman Signature: Eddie Crow

Accepted by: \_\_\_\_\_

$$629^{00} + 8\% = 679^{33}$$