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UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

RECEIVED AUG 22 1972

Form approved, Budget Bureau No. 42-R355.5.

7. LEASE DESIGNATION AND SERIAL NO.

FEDERAL - COLORADO 4502

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

MEXICAN CREEK-FEDERAL

9. WELL NO.

NO. 1

10. FIELD AND POOL, OR WILDCAT

WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SECTION 5, T6N, R81W.

12. COUNTY OR PARISH

JACKSON

13. STATE

COLORADO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [X] Other []

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESVR. [] Other []

2. NAME OF OPERATOR

BURTON - HAWKS EXPLORATION CO., LTD.

3. ADDRESS OF OPERATOR

P. O. BOX 359, CASPER, WYOMING 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 674' FEL, 2344' FNL SECTION 5 (SENE)

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

72-357 5/17/72

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

7-17-72 8-5-72 8/6/72 PJA 8576' GR, 8587' KB

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY

5940' [] XXXX

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

26. TYPE ELECTRIC AND OTHER LOGS—RUN

INDUCTION ELECTRIC-BORE HOLE COMPENSATED SONIC GAMMA RAY & CALIPER

28. CASING RECORD (Report all strings set in well)

Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Row 1: 8-5/8", 14#, 264', 12 1/2", 200 SACKS

29. LINER RECORD 30. TUBING RECORD

Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

Table with columns: DVR, FJP, HHM, IAM, IJD. Includes checkmarks and 'PRODUCTION' label.

33.* DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in) DRY AND ABANDONED

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

GEOLOGICAL REPORT

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED R. E. Wallborn ROBERT E. WELL BORN TITLE EXPLORATION MANAGER DATE AUGUST 16, 1972

*(See Instructions and Spaces for Additional Data on Reverse Side)

Handwritten notes: 'we need plug' and 'PJA 8/6/72'

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
CORE #1	Oriented 2359 - 73'	Pierre	Recovered 10' shale and silty shale with thin stringers siltstone. Eastman camera did not work. Dip averaged 8° because of bit drift angle of 3¼° and since no dip direction was obtained true dip could be 5° or 11°.
DST #1:	(Niobrara) 4417-4880,	1 hour.	Recovered 2560' heavily gas cut mud. IF: 342#, Bottom hole temperature 130°. FF: 596#, 15 minutes. IF: 685#, 1410' heavily gas cut mud. FF: 1075#, 1 hour, 1150' water, slightly muddy and gas cut. ISIP: 1912#, 30 minutes, FSIP: 1621#, 30 minutes. IHP: 2114#, FHP: 2089#
DST #2 (Frontier)	5015-5065,	1 hour.	Recovered 183' drilling mud. Bottom 90' very slightly gas cut. IF: 106#, FF: 106#, 15 minutes. Bottom hole temp. 134°. FF: 45 minutes, ISI: 462#, 15 minutes. FSI: 960#, 15 minutes. IH: 2388#, FH: 2423#. Tool open with weak blow. Had to slide tool 5' to bottom. Dead 5 minutes. Second opening, no blow for 10 min. Tool slipped 10' down hole for 35 minutes. THIS TEST WAS CALLED A MIS-RUN BY TESTER.
DST #3 (Dakota)	5214-5338.		Could not get to bottom. Back in hole to condition mud.
DST #3 (Rerun)	5214-5338.	1 hour.	Recovered 1500' slightly muddy water, 3838' fresh water. Water was standing 2' above KB in drillpipe. Water resistivity 8. @ 82° 590 PPM. IFP: 1520#, FFP: 1974#, 15 min., SIP: 2251#, 30 min., FSIP: 2251#, 30min. IHP: 2507#, FHP: 2465#, BHT 141°. 1st opening, strong blow for 15 min. 2nd opening, strong blow. Decreased remainder of test. Dead in 20 min.

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
BASE COALMONT-TOP PIERRE	1717'	
NIOBRARA	4250'	
FRONTIER	4943'	
MOWRY	5147'	
DAKOTA	5237'	
MORRISON	5344'	
ENTRADA	5747'	

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 BUREAU OF RECONSTRUCTION AND COMPLETION REPORTS
 FORM NO. 2 (REV. 1-63)