

N.M.O.G.D. COPY

ARTESIA OFFICE COPY
UNITED STATES

SUBMIT IN DUPLICATES*

(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☐	DRY ☒	Other ☐		
b. TYPE OF COMPLETION:		NEW WELL ☐	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other ☐
2. NAME OF OPERATOR Inexco Oil Company/						ARTESIA OFFICE	
3. ADDRESS OF OPERATOR 1100 Milam Building, Suite 1900							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FNL & 1900' FWL At top prod. interval reported below At total depth							
14. PERMIT NO. U.S. GEOLOGICAL SURVEY 10/3/80							
5. LEASE DESIGNATION AND SERIAL NO. NM-12561		6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
7. UNIT AGREEMENT NAME							
8. FARM OR LEASE NAME McClellan Federal							
9. WELL NO. 1							
10. FIELD AND POOL, OR WILDCAT Wildcat							
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 31, T13S, R29E							
12. COUNTY OR PARISH Chaves		13. STATE N.M.					
15. DATE SPUDDED 11/23/80		16. DATE T.D. REACHED 12/29/80		17. DATE COMPL. (Ready to prod.) P & A			
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3634.3 GL		19. ELEV. CASINGHEAD 3634.3					
20. TOTAL DEPTH, MD & TVD 9200'		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*			
23. INTERVALS DRILLED BY →		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		25. WAS DIRECTIONAL SURVEY MADE No			
26. TYPE ELECTRIC AND OTHER LOGS RUN							
27. WAS WELL CORED Yes							
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
13-3/8	40	335	17-1/2	400 sx circ to surf.	-0-		
8-5/8	24	2013	11"	900 sx circ to surf.	-0-		
5-1/2	15.5	2687	7-7/8	250 sx	-0-		
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)			
30. TUBING RECORD							
SIZE	DEPTH SET (MD)	PACKER SET (MD)					
31. PERFORATION RECORD (Interval, size and number) 1904-10, 1917-22							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED					
1902-1922		1000 gal 15% NE					
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)		
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <i>J. C. Mader</i>		TITLE <i>Drilling Adm.</i>		DATE <i>2/15/81</i>			

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

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PAGE 1

INEXCO OIL COMPANY
MCCLELLAN FEDERAL NO. 1
WILDCAT
CHAVES COUNTY, NEW MEXICO

DATE : 6-DEC-80
FORMATION :
DRUG. FLUID:

FILE NO : 2202-12011-B
ANALYSTS : WILLIS
LABORATORY: HOUSTON
CORES : SCHLUMBERGER

SIDE WALL CORE ANALYSIS

PRELIMINARY

REC IN	DEPTH FEET	PERM MD(*)	FOR %	OILZ PORE	WTRZ PORE	PROD PROD	OILZ BULK	GASZ BULK	GAS DET	DESCRIPTION
0.7	1620.6	1.3	12.4	0.0	50.9	(6)	0.0	6.1	0	SD VFG SSLTY-CLN DNS N FLU
0.7	1629.0	1.7	12.9	0.0	43.5	(6)	0.0	7.3	0	SD VFG SSLTY-CLN DNS N FLU
0.8	1630.1	3.8	14.0	0.0	44.1	(6)	0.0	7.8	0	SD VFG SSLTY-CLN DNS N FLU
0.7	1631.5	0.7	10.4	0.0	44.8	(6)	0.0	5.7	0	SD VFG SSLTY-CLN DNS N FLU
0.9	1632.9	3.6	14.3	0.0	56.6	(6)	0.0	6.2	0	SD VFG SSLTY-CLN DNS N FLU
0.8	1634.0	0.4	12.2	0.0	49.4	(6)	0.0	6.2	0	SD VFG SSLTY-CLN DNS N FLU
0.8	1634.5	3.1	14.9	0.0	42.3	(6)	0.0	8.6	0	SD VFG SSLTY-CLN DNS N FLU
0.8	1790.5	0.7	13.6	0.0	47.4	(6)	0.0	7.2	0	SD VFG SSLTY-CLN DNS N FLU
0.7	1793.0	<0.1	11.2	0.0	54.9	(6)	0.0	5.0	0	SD VFG SSLTY-CLN DNS N FLU
0.9	1796.0	0.3	13.3	0.0	51.6	(6)	0.0	6.4	0	SD VFG SSLTY-CLN DNS N FLU
0.5	1796.4	0.4	11.5	0.0	46.2	(6)	0.0	6.2	0	SD VFG SSLTY-CLN DNS N FLU
0.8	1818.5	0.5	14.3	0.0	63.2	(6)	0.0	5.3	0	SD VFG SSLTY-CLN DNS N FLU
0.7	1823.1	0.4	13.9	0.0	47.5	(6)	0.0	7.3	0	SD VFG SSLTY-CLN DNS N FLU
0.5	1828.1	0.1	14.3	0.0	46.2	(6)	0.0	7.7	0	SD VFG SSLTY-CLN DNS N FLU
0.8	1828.6	0.4	12.6	0.0	32.1	(6)	0.0	8.6	0	SD VFG SSLTY-CLN DNS N FLU
0.8	1843.0									
0.5	1845.5									
0.9	1856.0	2.7	14.2	0.0	44.6	(6)	0.0	7.9	0	SD VFG SSLTY-CLN DNS N FLU
0.9	1856.5	2.5	13.9	0.0	44.8	(6)	0.0	7.7	0	SD VFG SSLTY-CLN DNS N FLU
1.0	1859.0	1.2	15.4	0.0	48.6	(6)	0.0	7.9	0	SD VFG SSLTY-CLN DNS N FLU
0.9	1859.6	<0.1	13.9	0.0	45.1	(6)	0.0	7.7	0	SD VFG SSLTY-CLN DNS N FLU
0.9	1862.0	3.2	14.8	0.0	47.8	(6)	0.0	7.7	0	SD VFG SSLTY-CLN DNS N FLU
0.8	1862.5	4.5	14.1	0.0	42.1	(6)	0.0	8.1	0	SD VFG SSLTY-CLN DNS N FLU
1.1	1867.1	<0.1	13.1	0.0	49.1	(6)	0.0	6.7	0	SD VFG SSLTY-CLN DNS N FLU

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted), but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PAGE 2

INEXCO OIL COMPANY
McCLELLAN FEDERAL NO. 1

DATE : 6-DEC-80
FORMATION :

FILE NO : 2202-12011-B
ANALYSTS : WILLIS

SIDE WALL CORE ANALYSIS

REC IN	DEPTH FEET	PERM MD(*)	FOR %	OIL% PORE	WTR% PORE	PROD PROD	OIL% BULK	GAS% BULK	GAS DET	DESCRIPTION
0.7	1867.5	<0.1	13.8	0.0	58.1		0.0	5.8	0	SD VFG USLTY USHY STKS INS N FLU
0.4	1875.5								0	SALT
0.4	1903.1	1.9	13.6	0.0	31.0	(6)	0.0	9.3	0	SD VFG SSLTY-CLN INS N FLU
0.3	1903.5	1.2	13.7	0.0	51.8	(6)	0.0	6.6	0	SD VFG SLTY INS N FLU
0.7	1905.1	1.0	13.1	0.0	48.2	(6)	0.0	6.8	0	SD VFG SSLTY INS N FLU
0.2	1905.6	2.5	13.8	0.0	47.4	(6)	0.0	7.3	0	SD VFG SSLTY INS N FLU
0.7	1906.1	1.9	15.7	0.0	47.4	(6)	0.0	8.3	0	SD VFG SSLTY INS N FLU
0.5	1906.5	3.5	14.9	0.0	47.4	(6)	0.0	7.8	0	SD VFG SSLTY INS N FLU
0.6	1919.0	1.4	12.3	0.0	35.1	(6)	0.0	8.0	0	SD VFG SSLTY INS N FLU
0.6	1919.6	3.8	14.5	0.0	48.6	(6)	0.0	7.5	0	SD VFG SSLTY INS N FLU
0.5	1921.0	8.8	13.9	0.0	35.1	(6)	0.0	9.0	0	SD VFG SSLTY INS N FLU
0.7	1921.6	6.9	15.2	0.0	45.7	(6)	0.0	8.3	0	SD VFG SSLTY INS N FLU

(6) LOW PERMEABILITY

(*) PERMEABILITY VALUES FOR PERCUSSION TYPE SIDEWALL
CORES DETERMINED EMPIRICALLY.

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DALLAS, TEXAS

FILE NO 1 3207-1204
ANALYSTS 1 RELIANCE
LABORATORY 1 MIDLAND T
1-13-51 P-18-B

[illegible]

DOKE MO, 2 8536, 0-6379, 5 OUT 21' REC 21.5'

2	85550.0--59.0	0.63	4.0	0.0	87.6	SD	F06	CARB-INCL
3	85559.0--60.0	0.87	4.9	0.0	86.7	SD	F6	SHLAM CARB-INCL
4	8560.0--61.0	<0.01	0.3	0.0	86.7	SD	V06	SHLAM CARB-INCL
5	85661.0--62.0	0.10	6.0	0.0	85.0	SD	M05	SHLAM
6	85662.0--63.0	0.17	5.3	0.0	82.7	SD	M05	SHY
7	85663.0--64.0	0.06	6.6	0.0	86.7	SD	M05	SHLAM
8	85664.0--65.0	<0.01	7.2	0.0	83.8	SD	M05	SHLAM
9	85665.0--66.0	1.3	8.1	0.0	84.7	SD	M05	SHLAM
10	85666.0--67.0	3.2	7.7	0.0	84.6	SD	M05	SHLAM SHR
11	85667.0--68.0	0.07	4.0	0.0	70.8	SD	C6	SHLAM SHR
12	85668.0--69.0	0.12	3.6	0.0	51.7	SD	C6	SL/LMY SHLAM SHR
13	85669.0--70.0	0.04	4.0	0.0	36.5	SD	C6	SL/LMY SHLAM SHR
14	8570.0--71.0	0.12	4.8	0.0	50.5	SD	C6	SL/LMY SHLAM SHR
15	8571.0--72.0	0.23	6.2	0.0	36.1	SD	C6	SL/LMY SHR
16	8572.0--73.0	0.16	0.2	0.0	27.5	SD	C6	SL/LMY SHR COND
17	8573.0--74.0	0.31	5.5	0.0	22.5	SD	C6	SL/LMY SL/SHY SHR COND
18	8574.0--75.0	0.39	4.9	0.0	29.2	SD	C6	SL/LMY SL/SHY SHR COND
19	8575.0--76.0	0.66	5.1	0.0	32.1	SD	C6	SL/LMY SL/SHY SHR COND

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LITHOLOGICAL ABBREVIATIONS

ANAL(Y)	ANHYDRITE, ANHYDRITIC	LAN	LAMINATED
AN	ARGOSE, ARGOSIC	LM(Y)	LIMESTONE, LIMY
BAV	BAND, Banded	MG	MEDIUM GRAINED
BREC	BRECCIA, BRECCIATED	MTX	MATRIX
CA-10	CACTITE, CALCAREOUS	NOD	NODULE, NODULAR
CA-20	CARBONACEOUS	COL	COLLITIC
CB	COARSE GRAINED	PISO	PISOLITIC
CHAK(Y)	CHALK, CHALKY	PP	PINPOINT POROSITY
CH(Y)	CHERT, CHERTY	PT	PARTING
CONSL	CONGLOMERATE, CONGLOMERITIC	PYR	PYRITE, PYRITIC
CSLN	COARSELY CRYSTALLINE	SD(Y)	SANDSTONE, SANDY
ENS	DENSE	SH(Y)	SHALE, SHALY
DOL(C)	DOLomite, DOLomitic	SHR	SOLID HYDROCARBON RESIDUE
F	RANDOMLY ORIENTED FRACTURES	SL/	SLIGHTLY
FG	FINE GRAINED	SLT(Y)	SILTSTONE, SILTY
FOS5	FUSSILLIFEROUS	STY	STYLOLITE, STYLOLITIC
FR	FRIABLE	SUC	SUCROSTIC
FXLN	FINELY CRYSTALLINE	SUL	SULPHUR
GA-1	GALENA	THFA	TOO BROKEN FOR ANALYSIS
GLAUC	GLAUCONITE, GLAUCONITIC	TRIP	TRIFOLITE
GRAN	GRANITE	V/	VERY
MAN WASH	GRANITE WASH	VF	FREEDOMINANTLY VERTICALLY FRACT.
GYP	GYPSUM, GYPSIFEROUS	VBY	VUGULAR
HT	FREEDOMINANTLY HORIZONTALLY FRACTURED	XDD	CROSSBEDDED
INC	INCLUSION	XLN	MEDIUM CRYSTALLINE
INTID	INTERBEDDED	XTL	CRYSTAL

THE FIRST WORD IN THE DESCRIPTION COLUMN OF THE CORE ANALYSIS REPORT DESCRIBES THE ROCK TYPE. FOLLOWING ARE ROCK MODIFIERS IN DECREASING ABUNDANCE AND MISCELLANEOUS DESCRIPTIVE TERMS.

CALLAS. TEXAS

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[illegible][illegible]

DEVIATION SURVEY
ON
ENXCO OIL COMPANY
MCLELLAN FEDERAL #1
SECTION 31, T-31-S, R-29-E
CHAVES COUNTY, NEW MEXICO

<u>DEPTH (FEET)</u>	<u>DEVIATION (DEGREES)</u>	<u>DEPTH (FEET)</u>	<u>DEVIATION (DEGREES)</u>
90	1/4	3,140	1/2
334	1/4	3,544	3/4
600	1		
1,118	3/4		
1,653	1 1/4		
1,950	1/2		
2,200	3/4		
2,554	3/4		
3,150	3/4		
4,019	1		
4,546	1		
4,671	1		
5,487	1		
6,696	1 3/4		
7,636	1 3/4		

BARTON DRILLING COMPANY

B. E. Barton
B. E. Barton, President

SUBSCRIBED AND SWORN TO before me this 8th day of
January A. D. 1981.

Marilyn Neckerlin
Marilyn Neckerlin, Notary Public
in and for the State of Texas