

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

LC 069300

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Mobil Atlantic Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Allison Penn

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

Section 3, T-9-S, R-36-E

12. COUNTY OR
PARISH
Lea13. STATE
New Mexico

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 ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

BLACKROCK OIL COMPANY

3. ADDRESS OF OPERATOR

1000 V & J Tower, Midland, Texas 79701

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

At surface Unit P, 554 ESL & 766 FEL

At top prod. interval reported below

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

12-20-70

16. DATE T.D. REACHED

1-20-71

17. DATE COMPL. (Ready to prod.)

2-22-71

18. ELEVATIONS (DE, RKB, RT, GR, ETC.)*

4083' G.L.

19. ELEV. CASINGHEAD

4081

20. TOTAL DEPTH, MD & TVD

9916

21. PLUG BACK T.D., MD & TVD

9866

22. IF MULTIPLE COMPL.,
HOW MANY*

N/A

23. INTERVALS
DRIILLED BY

ROTARY TOOLS

0-9916

CABLE TOOLS

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

Top 9825', Bottom 9845' Penn. (Bough C)

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray/Neutron

27. WAS WELL CORED

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12-3/4	33	400	15	400 sx	None
8-5/8	32 and 24	4150	11	375 sx	None
4-1/2	11.6	9889	7-7/8	375 sx	None

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	NONE				2-3/8	9730	9701

31. PERFORATION RECORD (Interval, size and number)

9825 - 9845 (9 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9825-9845	3000 gal. Acid

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flooding, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
2-22-71		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-22-71	24	32/64	→	100	135.6	20	1356
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
175	550	→	100	135.6	20	46.0	

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

To be connected to Cities Service Oil Company

TEST WITNESSED BY

Alvin Watson

35. LIST OF ATTACHMENTS

Drill Stem Tests and Logs

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

SIGNED

TITLE

President

DATE February 22, 1971

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

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 13: 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 23. 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 record 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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Abo	9074	9144	Porous non-permeable lime	San Andres	4150	
Penn.	9825	9845	Porous oil producing lime	Clearfork	5550	
				Wolfcamp	8305	
				Penn.	9395	
				Bough "C"	9825	



FOSTER TESTERS, INC.

ODESSA, TEXAS

TEST TICKET NO. 2426

ORDER NO.

DATE JANUARY 19, 1971

COMPANY BLACK ROCK OIL COMPANY LEASE MOBIL ATLANTIC FIELD NO. 3

FIELD VADA PENN. COUNTY LEA STATE NEW MEXICO TEST NO. 1

MAIL CHARTS TO BLACK ROCK OIL CO. 1000 V & J TOWER, MIDLAND, TEXAS 79701

MAIL INVOICE TO SAME

FORMATION TESTED BOUGH "C" TOTAL DEPTH 9,900' MAIN HOLE 7 7/8" RAT HOLE -
INTERVAL TESTED FROM 9,852' TO 9,900' PACKER TYPE B-T SIZE 6 3/4" NUMBER 2
DRILL PIPE SIZE 4 1/2" XH I.D. 3.80" DRILL COLLAR SIZE 4 1/2" XH I.D. 2.50"
TIME PACKER SET A.M. 3:18 P.M. PACKER SET 4 HRS. 17 MIN. PRE FLO TIME 15 MINS.
INITIAL FLOW 90 MINS. 2ND FLOW - MINS. FINAL FLOW - MINS.
INITIAL SHUT-IN 45 MINS. 2ND SHUT-IN 120 MINS. FINAL SHUT-IN - MINS.
RECORDER TYPE AK-1 CAPACITY 8,000 - 9500 NUMBER: TOP 1261 BOTTOM 1645
TOP RECORDER DEPTH 9,895' BOTTOM RECORDER DEPTH 9,900'
MAX. TEMP. 150° TEMP. DEPTH 9,896' CHOKE SIZE: TOP 1" ADJ. BOTTOM 5/8"
MUD TYPE - MUD WEIGHT 9.5 VISCOSITY 56 FILTER CAKE 2/32 WTR. LOSS 10
FLUID CUSHION TYPE - AMOUNT - REVERSED OUT YES NO X
CONVENTIONAL TEST YES SPRIDDLE TEST - CASING TEST - MISS RUN -
SECOND ASSEMBLY YES ROTARY JAR YES SAFETY JOINT YES
SCAPLER YES X NO FEE FLOW TOOL YES NO X CIP. SUB YES NO X

SURFACE ACTION: OPEN WITH A WEAK BLOW, INCREASED TO A FAIR BLOW ON PRE FLOW. OPEN WITH A WEAK BLOW, INCREASED TO A GOOD BLOW IN 30 MINUTES.

RECOVERY: 1292' FLUID: 472' MUDDY SALT WATER.
820' SALT WATER CHLORIDES 64,000 P.P.M. RESISTIVITY
0.136 AT 64°.

SAMPLER CONTENT: 2000 C.C. SALT WATER. NO GAS OR OIL.

REMARKS: 15 MINUTES PRE FLOW TIME.
820' TOTAL DRILL COLLAR LENGTH.
18' PERFORATION LENGTH.

TESTER B.E. DAVIS TEST APPROVED BY O. . BUTLER

	RECORDER NO. 1261		RECORDER NO.		RECORDER NO.
A INITIAL HYDROSTATIC PRESSURE	5152	P.S.I.		P.S.I.	P.S.I.
B INITIAL SHUT IN PRESSURE	3574	P.S.I.	B-1	P.S.I.	P.S.I.
C INITIAL FLOW PRESSURE	315	P.S.I.	C-1	P.S.I.	P.S.I.
D FINAL FLOW PRESSURE	657	P.S.I.	D-1	P.S.I.	P.S.I.
E FINAL SHUT IN PRESSURE	3500	P.S.I.		P.S.I.	P.S.I.
F FINAL HYDROSTATIC PRESSURE	5152	P.S.I.		P.S.I.	P.S.I.



FOSTER TESTERS, INC.

ODESSA, TEXAS

TEST TICKET NO. 2427

ORDER NO.

DATE JANUARY 20, 1971

COMPANY BLACKROCK OIL COMPANY LEASE MOBIL ATLANTIC FED. WELL NO. 3

FIELD COUNTY LEA STATE NEW MEXICO TEST NO. 2

MAIL CHARTS TO BLACK ROCK OIL CO. 1000 V & J TOWER, MIDLAND, TEXAS 79701

MAIL INVOICE TO SAME

FORMATION TESTED BOUGH "C" TOTAL DEPTH 9,914' MAIN HOLE 7 7/8" RAT HOLE -
INTERVAL TESTED FROM 9,824' TO 9,837' PACKER TYPE B-T SIZE 6 3/4" NUMBER 3
DRILL PIPE SIZE 4 1/2" XH I.D. 3.80" DRILL COLLAR SIZE 4 1/2" XH I.D. 2.50"
TIME PACKER SET A.M. 9:48 P.M. PACKER SET 3 HRS. 32 MIN. PRE FLO TIME 15 MINS.
INITIAL FLOW 60 MINS. 2ND FLOW - MINS. FINAL FLOW - MINS.
INITIAL SHUT-IN 45 MINS. 2ND SHUT-IN 90 MINS. FINAL SHUT-IN - MINS.
RECORDER TYPE AK-1 CAPACITY 6600 - 7500 NUMBER: TOP 2837 BOTTOM 2755
TOP RECORDER DEPTH 9,827' BOTTOM RECORDER DEPTH 9,832'
MAX. TEMP. 156° TEMP. DEPTH 9,828' CHOKE SIZE: TOP 1" A/J BOTTOM 5/8"
MUD TYPE - MUD WEIGHT 9.7 VISCOSITY 55 FILTER CAKE 2/32 WTR. LOSS 10
FLUID CUSHION TYPE - AMOUNT - REVERSED OUT YES X NO
CONVENTIONAL TEST - STRADDLE TEST YES CASING TEST - MISS RUN YES
SECOND ASSEMBLY YES ROTARY JAR YES SAFETY JOINT YES
SAMPLER YES X NO FFE FLOW TOOL YES X NO CIR. SUB YES X NO

SURFACE ACTION:

OPEN WITH A GOOD BLOW. DECREASED TO A WEAK BLOW AT END OF TEST.
SLID TOOL 10' TO BOTTOM. BOTTOM PACKER DID NOT HOLD.

RECOVERY: 4,536' TOTAL FLUID: 536' SALT WATER CUT MUD
4000' SALT WATER. CHLORIDES 56000 P.P.M.
RESISTIVITY: 0.138 AT 60°.

SAMPLER CONTENT: 2000 C.C. SALT WATER. NO OIL OR GAS.

REMARKS: 15 MINUTES PRE FLOW TIME.
790' TOTAL DRILL COLLAR LENGTH.

TESTER B.E. DAVIS TEST APPROVED BY O.D. BUTLER

	RECORDER NO. 2837		RECORDER NO.		RECORDER NO.
A INITIAL HYDROSTATIC PRESSURE	5080 P.S.I.			P.S.I.	P.S.I.
B INITIAL SHUT IN PRESSURE	3030 P.S.I.	B-1		P.S.I.	P.S.I.
C INITIAL FLOW PRESSURE	1818 P.S.I.	C-1		P.S.I.	P.S.I.
D FINAL FLOW PRESSURE	2329 P.S.I.	D-1		P.S.I.	P.S.I.
E FINAL SHUT IN PRESSURE	2840 P.S.I.			P.S.I.	P.S.I.
F FINAL HYDROSTATIC PRESSURE	5080 P.S.I.			P.S.I.	P.S.I.