

COUNTY	LEA	FIELD	Antelope Ridge	STATE	NM	OW
OPR	SHELL OIL COMPANY					MAP
2 Antelope Ridge Unit						
Sec. 4, T-24-S, R-34-E						
660' fr N Line & 1650' fr E Line of Sec.						
Re-Spd 1-5-65						
Re-Cmp 4-24-65						
		CLASS		EL		
		FORMATION	DATUM	FORMATION	DATUM	
CSG & SX . TUBING	20" 912' 1500					
13 3/8"	5352' 3450					
9 5/8"	12005' 2250					
7 5/8" lnr	11422-14181'					
	1025					
5 1/2" lnr	13617-17432' 900					
LOGS	EL	GR	RA	IND	HC	A
		TD 17895', PBD 14990'				

Morrow Perfs 12898-13153' - NO CHANGE

IP Devonian Perfs 14667-798' CAOF 16,350 MCFGPD + 25.9 B Cond.
per million. Pot. Based on 4-point test, 5 hr SIWHP 4469#,
Gravity gas .660, gravity cond. 62.3, GOR 38,659.

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CONT.	PROP	DEPTH	TYPE
DATE			

F.R.C. 5-27-65; OWWO
Orig. #1 Shell-Federal "BE", then changed to
#4-1 Antelope Ridge Unit; comp from Morrow
perfs 12898-13153', OTD 17895'.
Elev. 3567' Df, Orig.
5-24-65 TD 17895', PBD 14990', COMPLETE.
Perf (Devonian) @ 14667', 14670', 14673',
14676', 14681', 14682', 14688', 14718',
14719', 14721', 14730', 14731', 14732',
14735', 14742', 14743', 14746', 14747',
14748', 14759', 14760', 14761', 14765',
14771', 14772', 14777', 14778', 14781',
14782', 14788', 14789', 14797', 14798' W/1 SPI
Ac. 5000 gals (15%).

5-24-65

Continued

<u>Gas Volume</u>	<u>Time</u>	<u>TP</u>
3366 MCFGPD	3 hrs	4214#
5418 MCFGPD	3 hrs	3880#
7502 MCFGPD	3 hrs	3450#
9509 MCFGPD	4 hrs	2850#

(The above gauges through various chokes)

WC

COUNTY	Lea	FIELD	Wildcat	STATE	N.M.	NO.
OPR.	Shell Oil Co.			MAP		
NO.	1	LSE	Shell "BE" Federal			
SEC.	4	T.	24 S	BLK.	34 E	SUR.
LOC.	660' fr N Line & 1650' fr W Line					
MI.	FROM		CLASS.		EL. 35672	
SPUD.	9-13-62	COMP	9-25-63	FORMATION	DATUM	FORMATION
LOG:						
Del Lm	5131					
Del Sd	5170					
B. Spg	8727					
W.C.	11518					
Penn	11866					
Des Moines	/					
LOGS	EL	GR	RA	IND	HC	A
TD	17895		PB	14990		
PROD INT.	(DAILY RATE)	BS&W	GH	GOR	GTY	C. P.
12898-13153	CAOF	38,000 MCFGPD				
(Morrow)						
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CONT.	Carl B. King Drlg. Co.			PROP DEPTH	14,800' TYPE	
DATE						

F.R. 9-20-62
 PD 14,800', Devonian
 Contractor - Carl B. King Drlg. Co.
 10-7-63 TD 17,895', PB 14990. COMPLETED
 Well blew out @ 12250 @ rate 23,000 MCFGPD
 thru one 1/2" & two 2" flow lines.
 Multi-point test indicated CAOF 15,500
 MCFGPD, 14 hrs SITP 4200#.
 DST (Atoka) 12005-307' open 9 hrs, used 3000'
 NB, 4 pt test.
 Time Chk. SFP G.Vol. Cond
 3 hr 27/64 2660 11542 43 bbls
 MCFGPD
 2 hr 22/64 3273 9,596 10.2
 MCFGPD
 2 hr 16/64 3690 7,203 9.3
 MCFGPD
 2 hr 12/64 4025 4,279 11.3
 MCFGPD

-cont'd-

Lea Wildcat N.M.
Shell Oil Co. #1 Shell "BE" Federal

Sec. 4-248-34E
Page #2

10-7-63

-cont'd-

CAOF 17,750 MCFGPD.

Rec 346' cond + 25' DM,

2 hr ISIP 5780#, FP 4070-5580#

11 hr 20 min FSIP 5780#

Deliverability test 15,580 MCFGPD @ 1000#.

DST (Miss) 14181-190/2 hrs,

Rec, 4000' Heavy gas cut & MCWB + 1080' HGCM
+ 2975' HGC & SOCM.

No ISIP, FP 3625-3660#

60 min FSIP 7555#.

RE-DST (Miss) 14181-190/1 hr.

Rec 3627' WB + 650' Sli gas Cut & MCWB +
90' HMC & SGCWB.

2 hr 8 min ISIP 3600#, FP 2245-2245#,

2 hr FSIP 2315#.

DST 11340-14190 (Liner Seal test)/1 hr

Rec. 7000' WB + 700' MCW&M,

No ISIP

1 hr FSIP 3475#.

DST (Dev) 14660-900/4hr 20 min.

GTS 3 min on 4 pt. test.

Time	Chk.	FSP	G. Vol.	Cond.
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1 hr 10 min	36/64	1439	10,000 MCFGPD	10 bbls
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1 hr	28/64	1972	8,800 MCFGPD	7 bbls
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1 hr	20/64	2800	7,000 "	8 bbls
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1 hr	14/64	3608	4,900 "	3 bbls
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CAOF not calculated

GOR 46,448

Rec 90' cond, G & WCM + 320' SMCW

1 hr 10 min ISIP 6415#, FP 2745-5465#,

2 hr 7 min FSIP 6415#.

-cont'd-

10-7-63 -cont'd-
DST 14900-970/50 min Pkr. failed
after 45 min. Rec. 4870' DM,
1 hr ISIP 100#, FP 70-130#
No FSIP.
DST 14970-15048/2 hr 5 min.
GTS 10min @ 295 MCFGPD SFP 50#,
Rec. 615' HMC&GC Sul wtr.
1 hr ISIP 6330#, FP 125-250#,
2 hr FSIP 5960#.

DST 17435-475', Pkr failed.

DST 17480-550/2 hr 30 min.
Rec 3000' SGCWB + 100 SGCM,

1 hr 30 min ISIP 7586#, FP 4406-1510#,
2 hr FSIP 7490#.
Cored 17550-585', rec 34' being:
6' sh, 28' dolo w/sc. poor poro & shows.
Cored 17585-595', rec 9' dolo w/sc poor show.

DST 17533-713/4 hrs.
GTS 1 hr 55 min @ 185 MCFGPD,
Rec 2840' SMCWB + 400' WC & HGCM,
1hr 30 min ISIP failed, FP 4496-1233#,
2 hr FSIP 7520#.
Ac. open hole 17432-843 w/5000 gals.
Flow 20 BW/12 hrs thru 20/64" chk,
gas vol. @ 950 MCFGPD, TP 125#,
24 hr SITP 4835#, Set BP @ 17325',
Perf (Fess) 16140-156', 16170-180', 16210-220
w/1 SPF, Ac 2000 gals. -cont'd-

10-7-63

-cont'd-

Flo 48 BF/3 hrs & died

Swb & flo 52 BO + 154 BW/20 hrs.

Sq. perfs 16140-220 w/70 sxs.

Set CIBP @ 15310.

Perf 15216-222', 15232-234', 15242-248',
15262-266', 15270-278', w/1 SPF.

Ac. 2000 gal, Swb 62 BW

Sq. perfs 15216-278 w/82 sxs.

Perf 15017-022', 15038-042', 15060-064',
15070-074', w/1 SPF.

Ac. 2000 gal, Swb & flo 56 BO + 240 BW/20 hrs.

Last 14 hrs Swb 177 BW

Sq. perfs 15017-074 w/62 sxs.

Perf (Morrow) 12898', 12903', 12909', 12910',

12913', 12915', 12916', 12982', 12983', 12984',
12986', 12993', 12994', 13118', 13119', 13120',
~~13147'~~, 13149', 13151', w/1 SPI.

4 Point Test

Time	FTP	G. Vol.	Cond
2 hrs	6935	5,086 MCFGPD	2-5 bbls
2 hrs	6555	9,439 "	4. "
2 hrs	6320	11,310 "	7 "
2 hrs	5920	13,728 "	4.5 "

CAOF 38,000 MCFGPD

5 1/2" lnr. 13617-17432' 900

TOPS BY ELECTRIC LOG: Atoka 12092', Barnett
14001', Miss. Lm. 14062', Wdf. 14432', Dev.
14648', Mont. 16316', Simpson 16672', McKee
17027', Ellen 17428'. Granite Wash 17862'.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
HOBBS OFFICE O. C. C.

Form C-102
 Supersedes C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

NMCCC Order No. R-3050

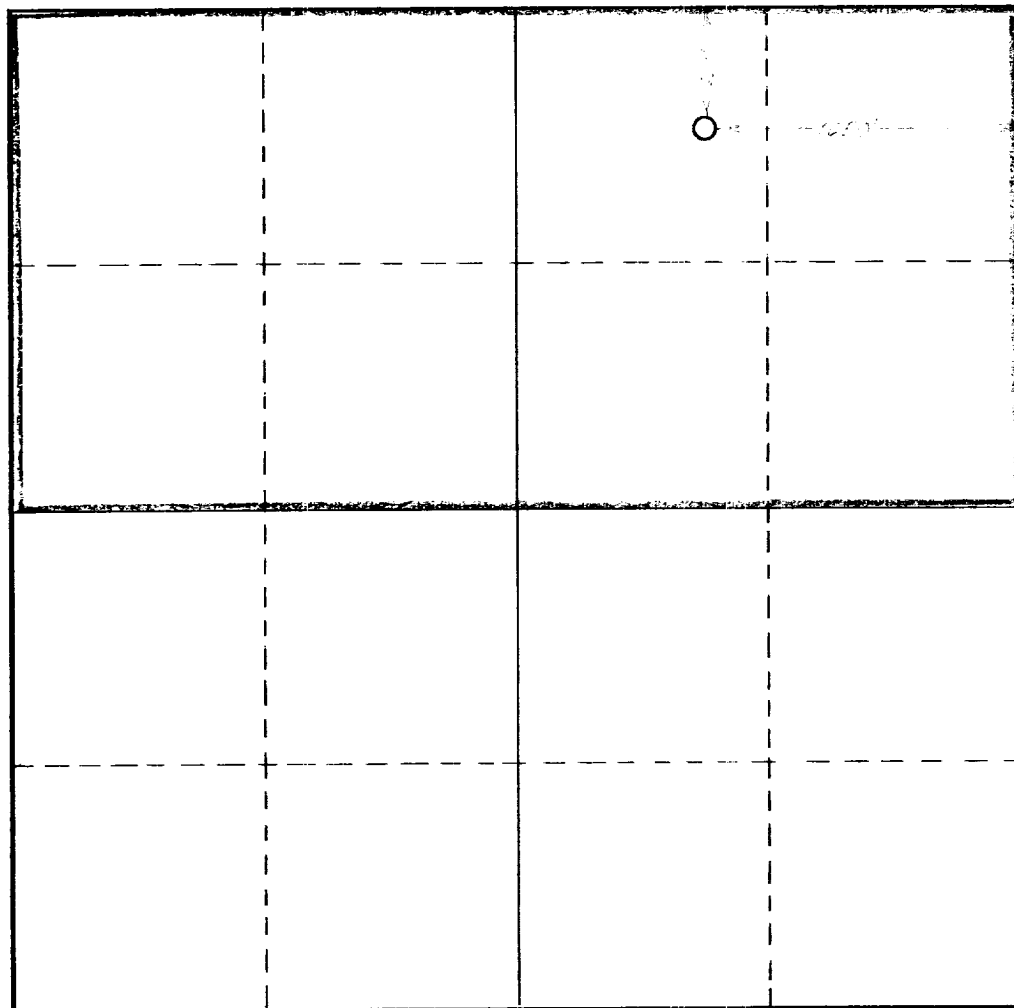
Operator Shell Oil Company (Western Division)			Lease MAR 31 11 40 AM '66 Antelope Ridge Unit		Well No. 2
Unit Letter b	Section 4	Township 24S	Range 34E	County Lea	
Actual Footage Location of Well: 660 feet from the north line and 1650 feet from the east line					
Ground Level Elev. 3548	Producing Formation Norrown	Pool Antelope Ridge-Norrown Gas Pool			Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation **Unitization**

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Original Signed By
J. D. DUREN J. D. Duren

Name
Staff Exploitation Engineer

Position
Shell Oil Company

Company
March 28, 1966

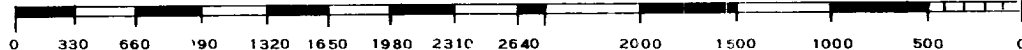
Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer
 and/or Land Surveyor

Certificate No.



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NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
Revised 5/1/57

JAN 8 3 53 PM '64

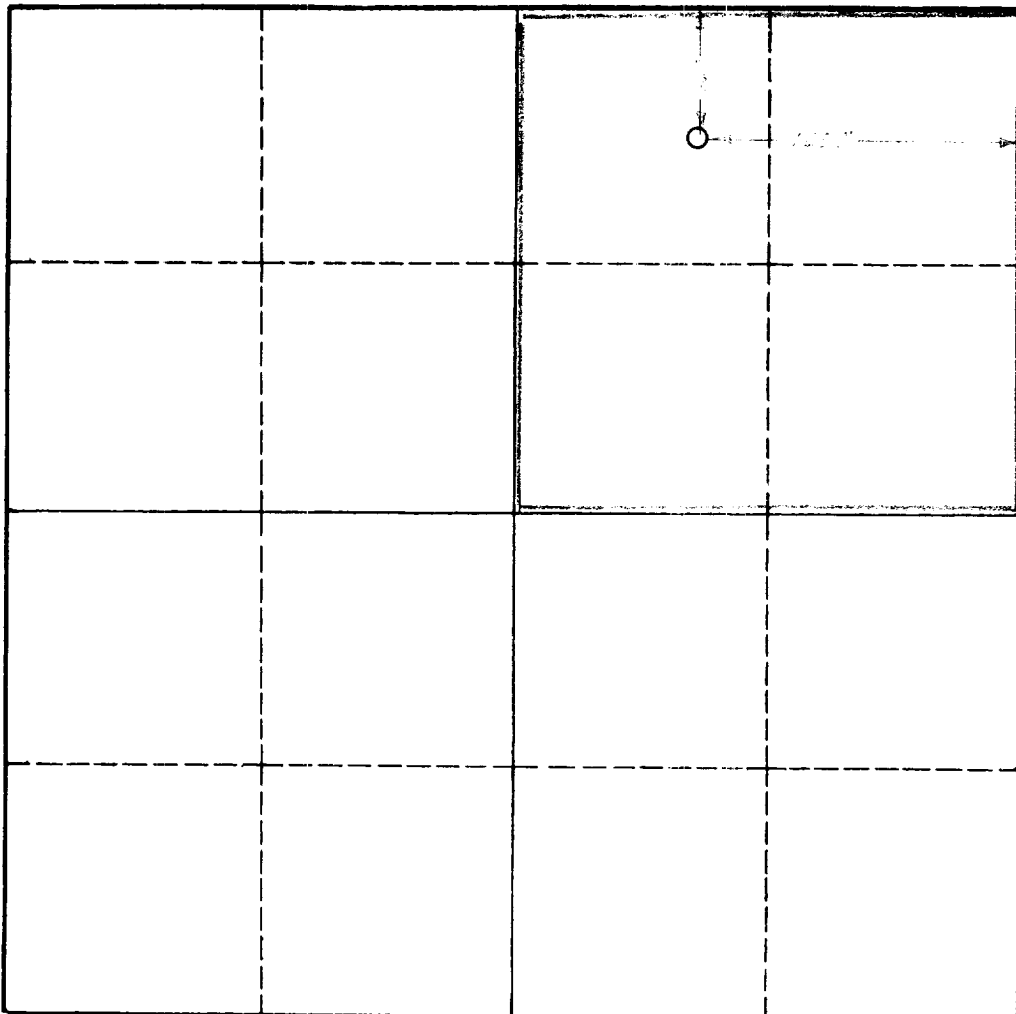
SECTION A

Operator Shell Oil Company			Lease Antelope Ridge Unit		Well No. 4-1
Unit Letter B	Section 4	Township 24-S	Range 34-E	County Lea	
Actual Footage Location of Well: 660 feet from the north line and 1650 feet from the east line					
Ground Level Elev. 3557'	Producing Formation Pennsylvanian		Pool Antelope Ridge		Dedicated Acreage: 160 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ . If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name	Original Signed R. A. LOWERY
Position	Dist. Exploitation Engr.
Company	Shell Oil Company
Date	January 7, 1964

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Registered Professional Engineer and/or Land Surveyor
Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

INSTRUCTIONS FOR COMPLETION OF FORM C-128

1. Operator shall furnish and certify to the information called for in Section A.
2. Operator shall outline the dedicated acreage for *both* oil and gas wells on the plat in Section B.
3. A registered professional engineer or land surveyor registered in the State of New Mexico or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
4. All distances shown on the plat must be from the outer boundaries of the Section.
5. If additional space is needed for listing owners and their respective interests as required in question 3 of Section A, please use space below.