

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
HobbsFORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator SHACKELFORD OIL COMPANY

3a. Address
203 W WALL ST, STE 200 MIDLAND, TX 797013b. Phone No. (include area code)
43268297844. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 20 T19S R32E 1650 FSL & 990 FEL

5. Lease Serial No.

NMLC065710A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

LUSK WEST DELAWARE UNIT #12

9. API Well No.

30-025-20874

10. Field and Pool, or Exploratory Area
LUSK DELAWARE, WEST

11. County or Parish, State

LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

SEE ATTACHED

14. I hereby certify that the foregoing is true and correct
(Name (Printed/Typed))

Don Shackelford

Title

President

Signature

Date

4/17/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

FEB 26 2018

Office

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Property and well number change made effective 9-16-2013 (appvl date of latest operator change). Prior to 2013 will require submittal of Service Center Request.

LWDU #12

6/30-7/6/16- Drill cement from 3545-3700'

7/11/16- Clean hole out from 4240-5520'. Circ hole clean

7/12/16- Set 50 sx plug at 5400'. Tagged plug at 5320'

7/13/16- Set 25 sx plug tagged at 5230' Witness by BLM. POOH w/tbg

7/15/16- RIH w/casing to 5230' pulled up 21' and RU cementer for 2 stage job. Pumped 400 sx on first stage circ and 500 sx on second stage

7/19/16- RIH w/collars and tbg tagged DV tool at 2690'. Drilled out DV tool tagged bottom at 5168'. Circ well clean. Test casing to 1500 psi. Ran chart for 30 minutes held good. POOH w/tbg

7/20/16- Run CBL log perf 4773-4800', 4738-58' and 4727-30'. RIH w/packet set at 4670' Rigged up to swab.

7/28/16- Acidize well w/1000 gals of NEFE acid

8/2/16- Circ well w/2% KCL. Wait on frac job. Flange up wellhead

11/30/16- Frac w/41,440 lbs of 20/40 sand- 16,346 gals of clear frac and 599,872 MSCF N2

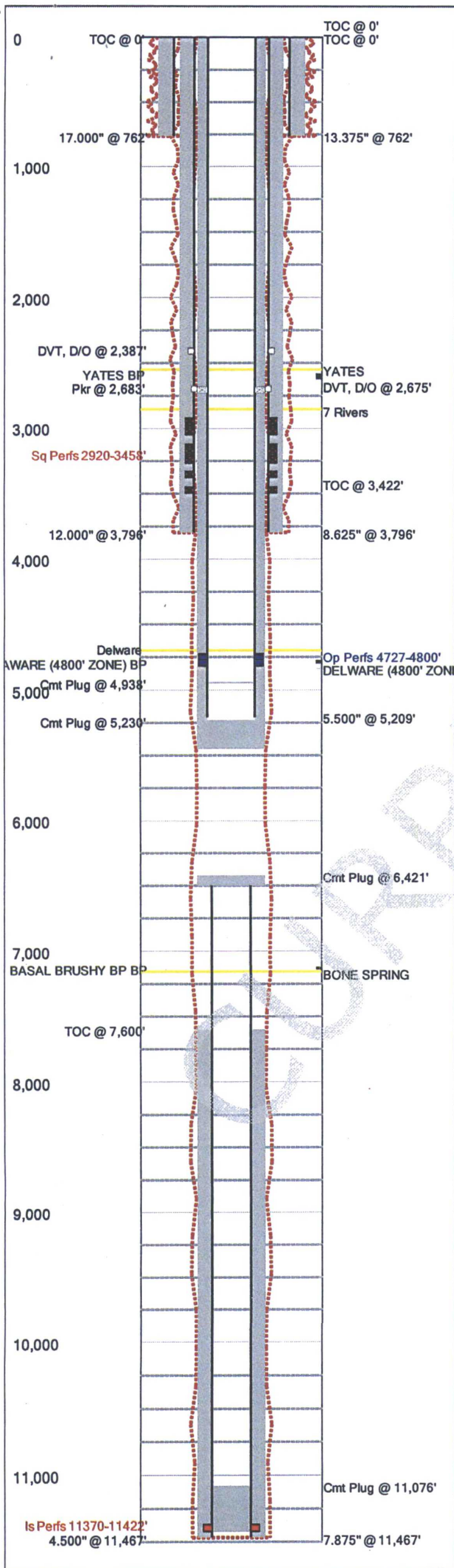
12/3/16- Flow back 3 days, well died. Wait for Production equipment

2/12/17- RU pumping unit

2/14/17- POOH w/frac string and packer

3/10/17- GIH w/production tbg and pump

4/3/17- Put well to pumping



Last Updated: 4/28/2017 12:23 PM

Field Name		Lease Name		Well No.	
Lusk West Delaware		Lusk West Delaware Unit		12	
County		State		API No.	
Lea		New Mexico		30025208740000	
Version	Version Tag				
2 UPDATED CURRENT					
GL (ft)	KB (ft)	Section	Township/Block		Range/Survey
3,567.7	3,585.0	20	19S		32E
Operator		Well Status		Latitude	Longitude
Shackelford Oil Company		Shut In			
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From	
1650	FSL	990	FWL		
Prop Num			Spud Date		Comp. Date
			2/11/1964		4/6/1965
Additional Information					
The #12 was Re-entered by Pioneer 9/3/1997 to be used as a WSW for the Lusk West Deep Unit Water Flood					
UPDATED CURRENT AS OF 4/28/2017					
UPDATED BY BRADY SHACKELFORD					
Other 1		Other 2		Other 3	
Prepared By		Updated By		Last Updated	
Shackelford		Shackelford		4/28/2017 12:23 PM	

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
2/4/1964	17.000	0	762	
2/19/1964	12.000	0	3,796	
3/4/1964	7.875	0	11,467	

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
2/13/1964	Surface Casing	13.375	48.00		0	762
2/19/1964	Intermediate Casing	8.625	32.00	J-55	0	3,796
	Production Casing	5.500	17.00	J-55	0	5,209
3/18/1964	Production Casing	4.500			6,500	11,467

Casing Cement Summary

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	2/14/1964	775	13.375	0	762	Cement Circulated
	2/20/1964	2,350	8.625	0	3,796	1st stage - 600 sx were pumped, 200 sx were circulated. DV Tool was @ 2387. 1750 sx were pumped about 100 sx were circulated
		500	5.500	0	3,422	2nd stage - Circulated
		400	5.500	3,422	5,230	1st stage
	3/18/1964	600	4.500	7,600	11,467	600 sx Regulate Plus + 1/3 cu/SKSTRATA-CRETE 6 +4% Gel

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
2/20/1964	DVT, D/O	8.625	0.000	2,387	0
	DVT, D/O	7.875	0.000	2,675	0
	Pkr	7.875	5.500	2,683	0

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	1	7.875	4,938	4,948	
	75	7.875	5,230	5,450	
10/18/1971	25	7.875	6,421	6,500	Estimated
10/18/1971	25	4.500	11,076	11,422	Estimated

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
	8/17/1996	Squeezed	7 Rivers	2,920	3,458	
		Open		4,727	4,800	100
	3/16/1964	Isolated	Strawn	11,370	11,422	

Formation Tops Summary

Formation	Top (TVD ft)	Comments
YATES	2,554	
7 Rivers	2,856	
Delaware	4,705	
BONE SPRING	7,162	

Field Name		Lease Name		Well No.	County	State	API No.	
Lusk West Delaware		Lusk West Delaware Unit		12	Lea	New Mexico	30025208740000	
Version	Version Tag				Spud Date	Comp. Date	GL (ft)	KB (ft)
	2 UPDATED CURRENT				2/11/1964	4/6/1965	3,567.7	3,585.0
Section	Township/Block	Range/Survey	Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From	
20	19S	32E	1,650	FSL	990	FWL		
Operator		Well Status		Latitude		Longitude		Prop Num
Shackelford Oil Company		Shut In						
Other 1		Other 2		Other 3		Other 4		
Last Updated		Prepared By			Updated By			
04/28/2017 12:23 PM		Shackelford			Shackelford			
Additional Information								
The #12 was Re-entered by Pioneer 9/3/1997 to be used as a WSW for the Lusk West Deep Unit Water Flood								
UPDATED CURRENT AS OF 4/28/2017								
UPDATED BY BRADY SHACKELFORD								

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
2/4/1964	17.000	0	762	
2/19/1964	12.000	0	3,796	
3/4/1964	7.875	0	11,467	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
2/13/1964	Surface Casing		13.375	48.00		0	762	
2/19/1964	Intermediate Casing		8.625	32.00	J-55	0	3,796	
	Production Casing		5.500	17.00	J-55	0	5,209	
3/18/1964	Production Casing		4.500			6,500	11,467	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	2/14/1964	775	1.00	775	13.375	0	762		Cement Circulated
	2/20/1964	2,350	1.00	2,350	8.625	0	3,796		1st state - 600 sx were pumped, 200 sx were circulated. DV Tool was @ 2387. 1750 sx were pumped about 100 sx were circulated
		500	1.00	500	5.500	0	3,422		2nd stage - Circulated
		400	1.00	400	5.500	3,422	5,230		1st stage
	3/18/1964	600	1.00	600	4.500	7,600	11,467		600 sx Regulate Plus + 1/3 cu/SKSTRATA-CRETE 6 +4% Gel

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
2/20/1964	DV tool (drilled out)	8.625	0.000	2,387	0		
	DV tool (drilled out)	7.875	0.000	2,675	0		
	Packer	7.875	5.500	2,683	0	Inflatable	

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	1	7.875	4,938	4,948	
	75	7.875	5,230	5,450	
10/18/1971	25	7.875	6,421	6,500	Estimated
10/18/1971	25	4.500	11,076	11,422	Estimated

Perforation Summary

C	Date	Perf. Status	Formation	Comments				
	8/17/1996	Squeezed	7 Rivers	100 sxs of Class C Cement				
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments		
	2,920	2,928						
	2,960	2,968						
	2,984	2,996						
	3,002	3,010						
	3,122	3,130						
	3,134	3,142						
	3,152	3,160						
	3,198	3,206						
	3,220	3,228						
	3,330	3,338						
	3,450	3,458						
C	Date	Perf. Status	Formation	Comments				
	3/16/1964	Isolated	Strawn					
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments		
	11,370	11,422						
C	Date	Perf. Status	Formation	Comments				
		Open						

C	Date	Perf. Status	Formation		Comments	
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
4,727		4,730	2	6		
4,738		4,758	2	40		
4,773		4,800	2	54		

Formation Top Summary

Formation Name	Top(TVD ft)	Comments
YATES	2,554	
7 Rivers	2,856	
Delware	4,705	
BONE SPRING	7,162	

Behind Pipe Summary

C	Formation Name	Top (MD ft)	Bottom (MD ft)	Net Pay (ft)	Drain. Area(Acre)	Res. Pres. (psi)	Water Sat. (%)	Eff. Por. (%)	EUR Oil (MBO)	EUR Gas (MMCF)	Comments
	YATES	2,583	2,627	0	0	0	0.0%	0.0%	0	0	
	DELAWARE (4800	4,776	4,802	0	0	0	0.0%	0.0%	0	0	
	DELAWARE (4800'	4,838	4,839	0	0	0	0.0%	0.0%	0	0	
	BASAL BRUSHY	7,121	7,142	0	0	0	0.0%	0.0%	0	0	

CURRENT

