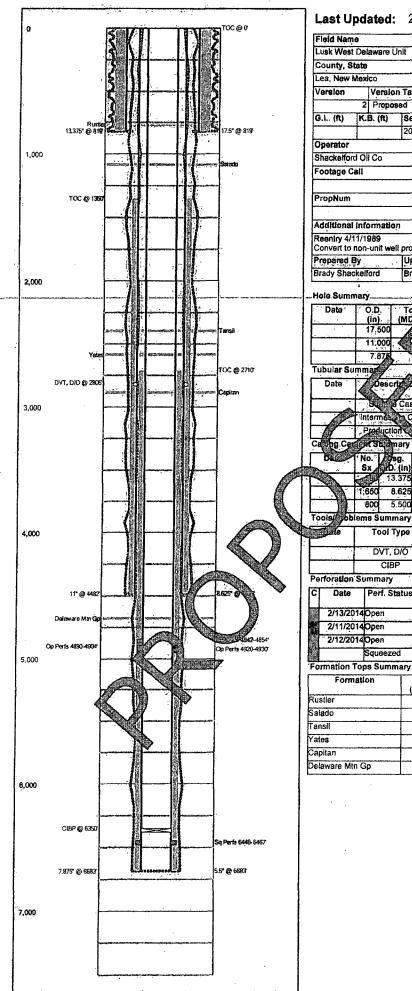
	• •						
Form 3160-5		53	OCD-HO	BBS			
(August 2007) DI	UNITED STATES EPARTMENT OF THE INTE			····· •	OMB N	APPROVED O. 1004-0135 July 31, 2010	
	UREAU OF LAND MANAGEM NOTICES AND REPORTS		ELLS		5. Lease Serial No. NMLC065710A		
Do not use th abandoned we	is form for proposals to drill II. Use form 3160-3 (APD) fo	l or to re or such p	-enter an proposals.		6. If Indian, Allottee of	or Tribe Name	
SUBMIT IN TR	PLICATE - Other instruction	is on rev	erse side.		7. If Unit or CA/Agree NMNM94514X	ement, Name and/or	No.
1. Type of Well					8. Well Name and No. LUSK WEST DEL		7
2. Name of Operator SHACKELFORD OIL COMPA	Contact: CLA			- <u></u>	9. API Well No. 30-025-24869	#-1	/
3a. Address 203 W WALL ST STE 200 MIDLAND, TX 79701	• 3b. Ph:		. (include) a constant	OCD	10. Field and Pool, or LUSK WEST DI		
4. Location of Well (Footage, Sec., 7			/ JUL 2 (2014	11. County or Parish,	and State	
Sec 20 T19S R32E 1660FNL	2300FEL				LEA COUNTY,	NM	
	ann an an Anna Anna an		RECE		·	a generalização e contra de la constante da presidencia da constante da constante da constante da constante da	
12. CHECK APP	ROPRIATE BOX(ES) TO INI	DICATE	NATURE OF I	NOTICE, R	EPORT, OR OTHE	R DATA	
TYPE OF SUBMISSION							
Notice of Intent		🖸 Deej	•		tion (Start/Resume)	U Water Shut-O	
Subsequent Report	 Alter Casing Casing Repair 	—	ture Treat Construction	Reclan		Well Integrity Other	y
Final Abandonment Notice	Change Plans	—	and Abandon	-	rarily Abandon		
	Convert to Injection	🗖 Plug	Back	U Water	Disposal		
determined that the site is ready for f RECOMPLETE FROM 6400' 1. NIPPLE UP 3000# BOP 2. POOH W/ TUBING AND P/ 3. GIH AND SET CIBP @ 640 4. TAG TOP OF CEMENT 5. TEST CASING TO 500 PSI 6. PERFORATE THE FOLLO 4842-54 4890-4904 4920-4930 7. GIH W/ PACKER AND PLU	WATER FLOOD INTERVAL T ACKER 90' W/ 35' CEMENT		RY CANYON IN Y CANYON 4 S	ITERVALS	WITN PLUG NEFE ACID SUBJECT	ESS BACK TTO LIKE AL BY STAT	
14. I hereby certify that the foregoing is	Electronic Submission #23683	39 verifie	i by the BLM Wel	I Informatio	n System		
Name(Printed/Typed) DON SHA	For SHACKELFORI Committed to AFMSS for proces CKELFORD	D OIL CO ssing by	MPANY, sent to CHRISTOPHER V Title PRESIC	VALLS on 03	3/18/2014 () CONDI	E ATTACHED FO TIONS OF APPR	R OVAL
, Signature	Submission)		Date 02/25/2	014	APPRO	VFD	1
	THIS SPACE FOR F	EDERA	L OR STATE	OFRICE U	SP	<u> </u>	1
				1			
Approved By			Title	<u> </u>		2014 Dat	
conditions of approval, if any, are attache ertify that the applicant holds legal or equiple would entitle the applicant to condu-	uitable title to those rights in the subje act operations thereon.	ect lease	Office		LTON K	ANACEMENT	
Fite 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it a crime statements or representations as to any	for any pe y matter wi	rson knowingly and thin its jurisdiction.	willfully to m	ake CARLSBAD FIELD	UFFICE	
** OPERAT	OR-SUBMITTED ** OPER	ATOR-	SUBMITTED *	* OPERAT	OR-SUBMITTED	** Ko	ha
				J	UL 3 0 2014	,	

Additional data for EC transaction #236839 that would not fit on the form

32. Additional remarks, continued

· '

9. SET PACKER AND TUBING AT 4700'. PRESSURE UP BACKSIDE TO 500 PSI. FRAC W/ 45,000 # SAND 10. RECOVER LOAD FROM FRAC 11. POOH W/ TUBING AND PACKER 12. GIH W/ TUBING AND MULESHOE CLEAN WELL TO BOTTOM 13. POOH W/ TUBING. GIH W/ TUBING, RODS, PUMP PUT ON PRODUCTION 14. CHANGE NAME OF WELL BY SUNDRY IF OPERATION IS SUCCESSFUL



Last Updated: 2/11/2014 03:57 PM

Field Name	9			L	0850	Name	We	Well No.					
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County, St	ate							API N	PI No.				
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Operator	Operator W						La	titude		Lon	gitude		
Shackelford	I OI	Co					T						
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Additional	Info	matio	n .			·							
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Prepared B	- 24		P. 4.	lated				Last L	Updated				
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Hole Summ	1												
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1000	int	ermés.	Sta Ca	SC/9	8.6	258 ~ 3	2.00	· J55		0	4,482		

ling

Top (MD ft)

1,350

2,710

O.D.

(in) 8.625

5.500

Formation

Top (TVD ft)

770

1,083 2,395

2,583 2,885

4,676

ction nan

Øag.

D. (in 13.37

8.62

5.500

Tool Type

DVT, D/O

CIBP

Perf. Status

Squeezed

No.

8x

1:650

800

blems Summary

5.500

Bottom (MD ft)

6,683

I.D.

(ln)

0,000

2.375

15.50 J55

819 Circulated 4,482 Temp Survey

Temp Survey

Top (MD,ft)

4,842

4,890

4,920

6,446

Comments

2,80

6,350

OA Top OA Bottom Shots (MD ft) (MD ft)

(MD ft) 4,854

4,904

4,930

6,467

6,683

Bottom (MD ft)

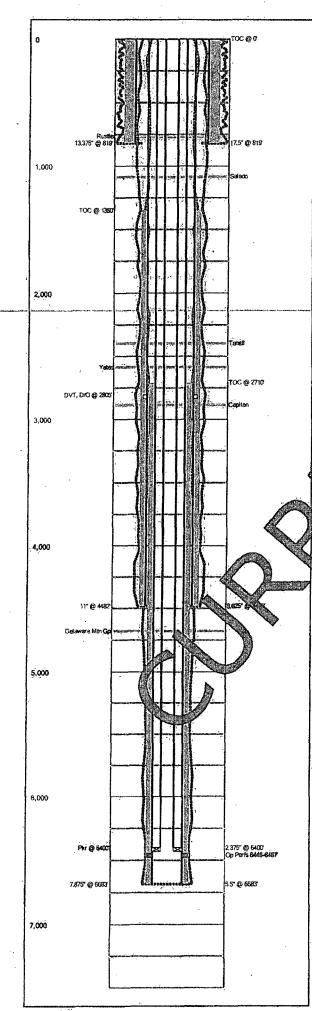
Commente

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Last Updated: 2/11/2014 03:57 PM

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	2 Prop		-										4/22/1989)		
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Operator							Well S	Status		T	Latitude		Longitude		Prop	Num
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Last Upda	ted .				Prep	ared By					Updal	ted By				
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Additional		ion														
Reentry 4/1						<u>.</u>									·····	
Convert to	non-unil v	veli proc	lucer								•					•
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erforation	Summar	У							V	2	******					
Date	Per	f. Statu	6	Fo	ma	tion	1	M			Con	nments		****		
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laware Mtr	Go			4.676					*****							

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Last Updated: 2/18/2014 09:30 AM

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Brady Sha	ford	Bra	dy Sha	Sheckelford				2/18/2014 9:30 AN					

Hole Summary

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Conditions of Approval

Shackelford Oil Company Lusk West Delaware - 07 API 3002524896, T19S-R32E, Sec 20 July 24, 2014

- Due to being within the Lesser Prairie Chicken habitat, this workover activity will be restricted to the hours of 9:00am through 3:00am for the period of March 1 through June 15. Exceptions to these restrictions may be granted by BLM's Johnny Chopp
- 2. Operator is removing well from the unitized formation. Operator shall remove "Unit" from the well name via sundry, and or rename well to be produced on a lease basis.
- 3. Before casing or a liner is added, replaced, or repaired prior BLM approval of the design is required. Use notice of intent Form 3160-5.
- 4. Subject to like approval by the New Mexico Oil Conservation Division.
- Provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log record from 6600 or below to top of cement. The CBL may be attached to a <u>pswartz@blm.gov</u> email. The CFO BLM on call engineer may be reached at 575-706-2779.
- 6. The well is within the BLM designated Capitan Reef four casing boundary and was allowed to be completed with only surface, one intermediate, and production casings. It is critical to protect the C. R. The operator shall maintain <u>annual casing integrity</u> (above the top perforation) test records available for BLM access.
- 7. <u>Notify BLM 575-393-3612 Lea Co as work begins</u>. <u>Some</u> procedures are to be witnessed. If there is no response, call 575-361-2822, leave a voice mail with the API#, workover purpose, and a call back phone number.
- 8. Surface disturbance beyond the existing pad must have prior approval.
- 9. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required for all operations, no excavated pits.
- 10. Functional H₂S monitoring equipment shall be on location.
- 11. 5000 (5M) Blow Out Prevention Equipment to be used. All BOPE and workover procedures shall establish fail safe well control. Blind ram(s) and pipe ram(s) designed to close on all workstring diameters used is required equipment. A manual BOP closure system (hand wheels) shall be available for use regardless of BOP design. Function test the installed BOPE to 500psig when well conditions allow. Related equipment, (choke manifolds, kill trucks, gas vent or flare lines, etc.) shall be employed when needed for reasonable well control requirements.
- 12. All waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal

facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

- 13. The BLM PET witness is to run tbg tally and agree to cement placement. Sample each plug for cement curing time and tag and/or pressure test WOC(H) time of 8 hours recommended) as requested by BLM PET witness.
- 14. Set cement plugs to cover a minimum of 100ft plus 10ft for every 1,000ft from the bottom of the plug, rounding the number of necessary sacks up to the nearest 5 sacks. Never use less than 25sx. Examples: A cement plug set at 8000 in 7" casing would require a min of 35sx. A 25sx plug in 5 ½" casing should cover 250ft, which may exceed 100ft plus 10ft per 1000ft.
- 15-Class H > 7500ft & C < 7500ft) cement-plugs(s) will be necessary. For any plug-thatrequires a tag or pressure test a minimum WOC time of 4 hours(C) & 8 hours(H) is recommended. Formation isolation plugs of Class "C" to be mixed 14.8#/gal, 1.32 ft³/sx, 6.3gal/sx water and "H" to be mixed 16.4#/gal, 1.06ft³/sx, 4.3gal/sx water.
- 16. Minimum requirement for mud placed between plugs is 25 sacks of salt water gel per 100 barrels in 9 lb/gal brine.
- 17. Drill out existing plugs to the cement on the plug at 12212.
- **18.** Set a class "H" cmt plug from that tag to cover a min of 50ft over the Morrow formation top of 12018. Tag the plug with tubing.
- **19.** Reset the CIBP within 50 to 100 feet above the top Strawn perf of 11508 and place a cmt plug to cover a min of 50ft over the Strawn formation top of 11362. Tag the plug with tubing.
- 20. Reset the CIBP within 50 to 100 feet above the top Wolfcamp perf of 10680 and place a cmt plug from 10758 to cover a min of 50ft over the Wolfcamp formation top of 10486. Or set a plug from 50ft below the sqzd perf of 10708 to cover a min of 50ft over the Wolfcamp formation top of 10486. Tag the plug with tubing.
- 21. Reset the CIBP within 50 to 100 feet above the top Bone Spring perf of 8839 and place a minimum 25sx of cmt plug on that CIBP. Tag the plug with tubing.
- 22. Perforate the 5 ¹/₂" casing at least 50ft below the Bone Spring formation top of 7182 and pump enough cmt
- 23. over the Bone Spring formation top by 50ft or more across the wellbore.
- 24. After setting the top plug and before perforating, perform a BLM PET witnessed (charted) casing integrity test of 500 psig on a 1000psig full range, calibrated one hour rotation recorder. Verify all annular casing vents are plumbed to surface and those valves open to the surface during this pressure test. Pressure leakoff may require correction for approval. Include a copy of the chart in the subsequent sundry for this workover.
- 25. File intermediate subsequent sundry Form 3160-5 within 30 days of any interrupted workover procedures and a complete workover subsequent sundry.

- 26. Submit the BLM Form 3160-4 Recompletion Report within 30 days of the date all BLM approved procedures are complete.
- 27. Workover approval is good for 90 days (completion to be within 90 days of approval). A legitimate request is necessary for extension of that date.

An inactive/shut-in well bore is a non-producing completion that is capable of "beneficial use" i.e. production in **paying quantities** or of service use.

- 28. Submit evidence to support your determination that the well has been returned to active "beneficial use" for BLM approval on the Sundry Notice Form 3160-5 (the original and 3 copies) before 12/20/2014.
- 29. Should "beneficial use" not be achieved submit for BLM approval a plan for plug and abandonment.

Access information for use of Form 3160-5 "Sundry Notices and Reports on Wells"

NM Fed Regs & Forms - <u>http://www.blm.gov/nm/st/en/prog/energy/oil_and_gas.html</u>

§ 43 CFR 3162.3-2 Subsequent Well Operations.

43 CFR 3160.0-9 (c)(1) Information collection.

§ 3162.4-1 (c) Well records and reports.