

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

5. Lease Serial No.
NM0175774 103234

6. If Indian, Allottee or Tribe Name

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 page 2.

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

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.
PLAINS FEDERAL #6

2. Name of Operator
SHACKELFORD OIL COMPANY

9. API Well No.
30-025-20769

3a. Address
203 W WALL ST, STE 200, MIDLAND, TX 79701

3b. Phone No. (include area code)
(432) 682-9784

10. Field and Pool or Exploratory Area
LUSK YATES, EAST

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FNL & 660' FWL SEC 21 T19S R32E

11. Country or Parish, State
LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 checked="" 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
BRADY SHACKELFORD

Title CFO

Signature *[Signature]*

Date 03/08/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

Office *[Signature]*

APPROVED

APR 15 2016

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)

APR 28 2016 *[Signature]*

Proposed Procedures on Plains #6

1. Move in equipment- half frac, frac tank, cementer, water, work string, reverse unit and pump
2. Rig up Pulling Unit and NU BOP. PU work string GIH test rate for cement. Spot 50 sx class c and pump into open perfs at 2651-2711. Pressure up to 1000 psi and SI overnight
3. Load hole and test squeeze. POOH pick up gel and collars. Drill out plug. After drilling out plug test casing to 500 psi on chart. If holds good drill out plug to top of plug at 4291'. Test casing to 500 psi on chart
4. Drill plug from 4291-4411- (top of 5 ½" casing cut off) POOH PU mill GIH and mill top of casing and over outside 10 feet
5. GIH open ended w/muleshoe go inside 5 ½" casing and tag bottom and circulate clean. POOH
6. Pull stretch on 5 ½" and attempt to pull casing to 5100'
7. Option 1: If pulled casing below 5000' set cement plug at stub and run 5 ½" casing to surface stage cement job with DV tool *See attached*
Option 2: If pulled casing above 4800' set plug on stub. Set whip and go directional to 5100'. Run 5 ½" casing to surface and stage cement job with DV tool
Option 3: If unable to pull casing tie onto existing casing at 4411' with casing patch. GIH perforate @ 5100' and attempt to circulate above ~~4411'~~ *Surface*. If unsuccessful perforate at 5000' and squeeze cement with 100 sxs of *See COA*
8. Perforate 4960-4992; 4920-4938; 4892-4905. Acidize w/3000 gals of NEFE Acid. Swab test
9. GIH w/2 7/8" tbg and packer and frac w/80,000 lbs of sand and nitrogen
10. Swab test and put on production

Addendum to Sundry Notice on Plains #6

1. Casing String 5 1/2" J-55 15.50 # *stc*
2. Volume of Cement between 8 5/8" and 5 1/2"

8 5/8" 32# casing 5 1/2" J-55 15.50#

Total ft of casing 5000' 5 1/2"

Volume/ft.

.1772 cu ft/ 1ft

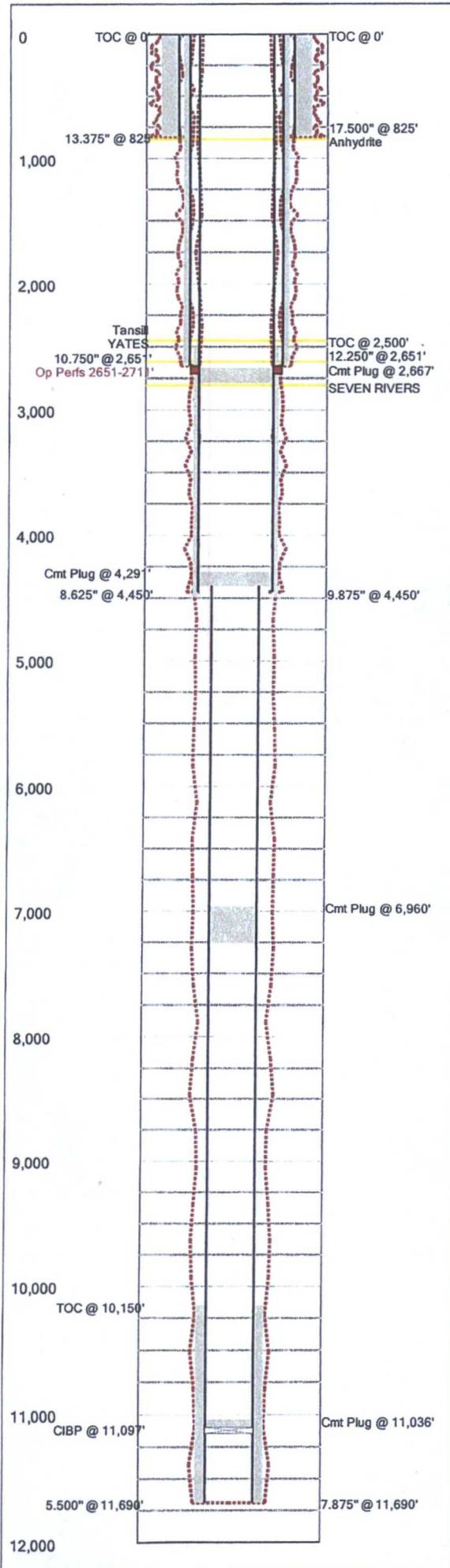
Total cu ft = .1772 x 5000 = 886 cu ft

Class C cement w/sodium chloride

1.33 cu ft/ 1 sack

886 cu ft = 667 sacks

0% excess - Additional cement is recommended



5-7180
C-10402
Itacon-11390

Field Name		Lease Name		Well No.
Plains		Plains		6
County		State	API No.	
		New Mexico	30025207690000	
Version		Version Tag		
1		Current		
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
		21	19S	32E
Operator		Well Status	Latitude	Longitude
Shackelford Oil Company				
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
1980	FNL	660	FWL	
Prop Num		Spud Date	Comp. Date	
		4/2/1996	7/15/1996	
Additional Information				
Other 1				
Other 2				
Other 3				
Other 4				
Prepared By		Updated By	Last Updated	
Shackelford		Shackelford	10/15/2015 8:46 AM	

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	825	
	12.250	0	2,651	
	9.875	0	4,450	
	7.875	0	11,690	

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	13.375	48.00		0	825
	Intermediate Casing	10.750	40.50		0	2,651
	Intermediate Casing	8.625	32.00		0	4,450
	Production Casing	5.500	15.50		4,400	11,690

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		750	13.375	0	825	Cmt Circulated
		700	10.750	0	2,651	Cmt Circulated
		275	8.625	2,500	4,490	
		200	5.500	10,150	11,690	

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
	CIBP	5.500	0.000	11,097	0

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	50	8.625	2,667	2,790	
	30	8.625	4,291	4,411	
	50	5.500	6,960	7,263	
	10	5.500	11,036	11,097	

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Open		2,651	2,711	56

Formation	Top (TVD ft)	Comments
Anhydrite	852	
Tansill	2,453	
YATES	2,618	
SEVEN RIVERS	2,807	

Field Name		Lease Name		Well No.	County	State		API No.	
Plains		Plains		6	Lea	New Mexico		30025207690000	
Version	Version Tag			Spud Date		Comp. Date		GL (ft)	KB (ft)
1	Current			4/2/1996		7/15/1996			
Section	Township/Block		Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
21	19S		32E		1,980	FNL	660	FWL	
Operator			Well Status		Latitude		Longitude		Prop Num
Shackelford Oil Company									
Other 1		Other 2		Other 3		Other 4			
Last Updated			Prepared By			Updated By			
10/15/2015 8:46 AM			Shackelford			Shackelford			
Additional Information									

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	825	
	12.250	0	2,651	
	9.875	0	4,450	
	7.875	0	11,690	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
	Surface Casing		13.375	48.00		0	825	
	Intermediate Casing		10.750	40.50		0	2,651	
	Intermediate Casing		8.625	32.00		0	4,450	
	Production Casing		5.500	15.50		4,400	11,690	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
		750	1.00	750	13.375	0	825		Cmt Circulated
		700	1.00	700	10.750	0	2,651		Cmt Circulated
		275	1.00	275	8.625	2,500	4,490		
		200	1.00	200	5.500	10,150	11,690		

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	Cast Iron Bridge Plug	5.500	0.000	11,097	0		

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	50	8.625	2,667	2,790	
	30	8.625	4,291	4,411	
	50	5.500	6,960	7,263	
	10	5.500	11,036	11,097	

Perforation Summary

C	Date	Perf. Status	Formation	Comments	
		Open			
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
2,651	2,711		56		

Formation Top Summary

Formation Name	Top(TVD ft)	Comments
Anhydrite	852	
Tansill	2,453	
YATES	2,618	
SEVEN RIVERS	2,807	

Plains Federal #6
30-025-20769
Shackelford Oil Co.
Conditions of Approval

Timing Limitation Stipulation / Condition of Approval for lesser prairie-chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 feet from the source of the noise.

Notify BLM at 575-393-3612 a minimum of 24 hours prior to commencing work.

1. **After casing is pulled, notify BLM of which option will be chosen.**
 - Option 1:** Run new 5-1/2" casing from 0-5000' and cement to surface. Notify BLM if Cement doesn't circulate to surface.
 - Option 2:** If side track is chosen supply the BLM Engineering staff with directional plan and kickoff procedure prior to setting whipstock.
 - Option 3:** If casing will be tied back to surface perforate at 5000' and attempt to circulate cement to surface. Recommend DV tool for this option to ensure cement to surface. Contact BLM for any changes to the proposed procedure.
2. **Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production per Onshore Order #2 III.B.1.h. Notify BLM if test fails.**
3. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
4. Surface disturbance beyond the originally approved pad must have prior approval.
5. Closed loop system required.