Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT RECEIVED

FORM APPROVED OMB NO 1004-0135 Expires July 31, 2010

FLAND MANAGEMENT			Ехр
AND REPORTS ON W.	ELLS OC908 2 2012	5	Lease Serial No NMNM5321

SUNDRY NOTICES AND REPORTS ON WELLS 2 2012 Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals D ARTESIA SUBMIT IN TRIPLICATE - Other instructions on reverse side.				NMNM53219 6. If Indian, Allottee or	Tribe Name		
				7 If Unit or CA/Agreement, Name and/or No			
1 Type of Well				8. Well Name and No.			
Oil Well Gas Well Other					FEDERAL COM 1		
2 Name of Operator Contact. TINA HUERTA YATES PETROLEUM CORPORATIONE-Mail: tinah@yatespetroleum.com			9. API Well No. 30-015-33932-00	D-S1			
3a Address 105 SOUTH FOURTH STREE ARTESIA, NM 88210	Phone No (include area code) 575-748-4168 575-748-4585			10 Field and Pool, or Exploratory MCKITTRICK HILLS			
4. Location of Well (Footage, Sec., T Sec 1 T22S R24E SWNW 198		TACHED FOR TONS OF APPE	ROVA	11. County or Parish, a EDDY COUNTY,			
12. CHECK APPR	ROPRIATE BOX(ES) TO IND	DICATE NATURE OF N	NOTICE,	REPORT, OR OTHER	DATA		
TYPE OF SUBMISSION		TYPE OF	ACTION				
Notice of Intent	☐ Acidize	Deepen	☐ Produ	iction (Start/Resume)	☐ Water Shut-Off		
	☐ Alter Casing	☐ Fracture Treat	□ Recla	mation	☐ Well Integrity		
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recor	mplete	Other		
☐ Final Abandonment Notice	☐ Change Plans	Plug and Abandon	C Temp	orarily Abandon			
	☐ Convert to Injection	Plug Back	☐ Water	Water Disposal			
If the proposal is to deepen directions Attach the Bond under which the wolf following completion of the involved testing has been completed. Final Abdetermined that the site is ready for final Particles of the proposal of	plans to plugback and recomp as needed. NU 5K BOP. POI 70'. Set a CIBP at 10,060' an 400'-8850' across 4-1/2" liner to to 7872' and cap with 35 sx Clap perforations and across DV to 3000 psi and chart it for the E6'-7210'(15), 7244'-7248'(5), 73, 7412'-7416'(5) and 7418'-742 test and evaluate, if the decision the casing using the following allow gel to break and the res	ubsurface locations and measure and No on file with BLM/BIA a multiple completion or recovery after all requirements, including the second sec	ment. Set a 45 sing. Required and true a 45 sing. Required a property as	vertical depths of all pertine subsequent reports shall be a new interval, a Form 3160 tion, have been completed, a PLUG a 7" PLUG accept at Accept	ent markers and zones filed within 30 days 0-4 shall be filed once and the operator has IESS BACK led for record MOCD (8)		
	Electronic Submission #14154 For YATES PETROLEUN d to AFMSS for processing by B	M CORPORÁTION, sent to EVERLY WEATHERFORD	the Carls on 07/11/	bad			
Signature (Electronic S	ubmission)	Date 06/26/20	2 1	PPROVED			
	THIS SPACE FOR FE	DERAL OR STATE O			7		
Approved By		Title		SEP 2 9 2012	Date		
Conditions of approval, if any, are attached ertify that the applicant holds legal or eque which would entitle the applicant to condu	itable title to those rights in the subject operations thereon	ct lease Office	PF	WESLEY W. INGRAM TROLFUM ENGINEE	R 1		
itle 18 U.S C. Section 1001 and Title 43	USC Section 1212, make it a crime	for any person knowingly and	willfully to	make to any department or a	agency of the United		

NMOCD: ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

File C/02 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional data for EC transaction #141545 that would not fit on the form

32. Additional remarks, continued

it will flow. TIH with notched blade bit and tubing to 7522', to ensure there is no sand across the perforated interval. Pressure test casing to 3000 psi and chart it for the BLM. 6. Swab well until it cleans up, then TIH with pump and rods. Hang the well on and turn to production.

production.

7. If this zone is not productive; POOH with all tools, loading the hole as necessary with 3% KCL water. Set a CIBP at 7146' and cap it with 35' cement. Load casing with 3% KCL water and perforate Bone Spring 5850'-5880'(31), 5888'-5892'(5), 5896'-5900'(5) and 5908'-5912'(5).

8. Acidize as needed. Swab test and evaluate, if the decision is made to frac POOH with tubing and packer and frac using the following schedule (attached).

9. Pull a CBL across the TOC at +/-5000'. Perforate 100' above the TOC, this should be at +/-4900'. Attempt to establish circulation up the 7" x 9-5/8" annulus. After circulation has been established set a retainer at 30' above the perforations. Squeeze with 250 sx Class "C" cement. WOC and drill out the retainer and test the casing to 1500 psi.

10. Allow get to break and resin to cure. Flow well back if it will flow. Ensure there is no

10. Allow gel to break and esin to cure. Flow well back if it will flow. Ensure there is no sand across the perforated interval. Pressure test casing to 3000 pst and chart if for the BLM.

11. TIH with production equipment and turn well over to production.

Frac schedule and wellbore schematics attached

See de de de procedure procedure 6-11.

Whitbread BFG Federal Com No. 1

1,980' FNL & 660' FWL Section 1, T22S, R24E Eddy County New Mexico API No. 30-015-33932 Morrow Completion Procedure

TUBING: 2.785" 6.53# L-80

burst 10,570 psi *80% = 8,456 psi collapse - 11,160 psi *80% = 8,928 psi

CASING: 7" 26#, J-55 & L-80 (weakest casing in production string)
burst 4,360 psi *80% = 3,488 psi
collapse - 3,270 psi *80% = 2,616 psi

Executive Summary: Propose to abandon the current Morrow perforations with a CIBP. Then plug back to the Bone Springs sand test the 2nd and the 3rd BS sands. If testing warrants a frac with a borate x-linked gell and 200,000 of sand for each interval.

Notes: Current are 10,110'-10,290' (208), Canyon perfs 7,922'-8,006' (85) squeezed with 800 sx and squeeze perfs at 7,800' (4) w\ 700 sx of cement. TOC after squeeze was 5,000' by CBL.

- 1. MIRU WSU and all safety equipment necessary. NU 5K head with a full opening valve and BOP. POOH with production equipment visually inspect the tubing and replace any bad or worn joints.
- 2. RU WL to run a 4-1/2" gauge ring and junk basket run to 10,070'. WL set a CIBP at 10,060' and cap it with 35 foot of cement. POOH with WL. TIH with tubing to set a 45 sx Class H plug from 8,400' to 8,850' across the 4-1/2 liner top and up into the 7" casing. POOH. RU WL to run a 7" gauge ring and junk basket run to 7,882'. WL set a CIBP at 7,872' and cap it with 35 sx Class C of cement. This will leave a plug from 7,692 to 7,872 over the Canyon perforations and across the DV tool and he squeeze perforations at 7,800'. Pressure test the casing to 3,000 psi and chart it for the BLM.

3rd Bone Springs Sand Completion

3. RU WL and lubricator and correlate to Schlumberger open hole logs. Perforate in the following interval with 1 JSPF, 60 degree phasing and 0.42" deep penetrating charges.

7,196'-7,210' (15),7,244'-7,248' (5),
7,260'-7,264' (5), 7,320'-7,328' (9), 7,354'-7,356' (3),
7,392'-7,394' (3), 7,412'-7,416' (5), 7,418'-7,422' (5)
50 shots total
Net Pay = 75'

4. TIH with 2.875" tubing and packer. Set the packer @ 6,946'. Acidize with 1,500 gal. Iron control 7.5% HCL. Pump the acid at 6-8 BPM while limiting surface treating pressure to 4000 psi. Load the annulus and monitor during the job. Drop 75 ball sealers spaced evenly throughout the acid. Flush to bottom perf. with 3% KCL water with a nonionic surfactant. Swab test and evaluate, if the decision is made to frac POOH with the 2.875" tubing and packer and frac down the casing using the following schedule.

Treating Schedule

	lbs Proppant						
Stage	. gal	Prop Conc					
Number		lb/gal	Stage	Cumulat	ive P	roppant	Type
1	30000.	0.00	0.	0.			
2	15000.	1.00	15000.	15000.	20/40	Ottawa	
3	17500.	2.00	35000.	50000.	20/40	Ottawa	
4	20000.	3.00	60000.	110000.	20/40	Ottawa	
5	10000.	4.00	40000.	150000.	20/40	Ottawa	
6	12500.	4.00	50000.	200000.	20/40	Super 1	LC
7	+/-11877.	0.00	0.	0.			

Estimated Surface Treating Pressure @ 50 BPM = 2,535 psig. Maximum allowable pressure is 3,000 psig.

Fluid Specifications: A 25# Borate Cross linked Guar gel, with a sand surfactant package, 1 gpt migrating clay control additive. Design breakers for 50% retained viscosity for 2 hours with a complete break in 4 hours. Use encapsulated enzyme breaker and liquid enzyme breaker to achieve a 4-hour break. Test the fluid with and without the Resin Activator. The liquid breaker must be pumped into the down hole side of the blender so that when the tub is bypassed breaker will still be going into the system. When the sand starts to fall off go to bypass and flush. Under flush the well 2-3 bbl short of the top perf.

YPC to furnish: 6 clean frac tanks with 480 BBL of 3% KCL water in each.

Service company to provide: computer van with <u>job reports</u>, weight tickets, on location and QC lab van.

- 5. Shut the well in for 8 hours to allow the gel to break and the resin to cure. Flow the well back if it will flow, TIH with notched blade bit and 2.875" tubing to 7,522', to ensure there is no sand across the perforated interval. POOH. Set a RBP 100' above the perforations and pressure test the casing to 3,000 psi and chart it for the BLM.
- 6. TIH with TAC and 2.875" production tubing. Swab the well until it cleans up, then TIH with pump and rods. Hang the well on and turn the well over to the production department.

2nd Bone Springs Sand Completion

7. If the 3rd Bone Springs was not productive; POOH with all tools, loading the hole as necessary with 3% KCl water. MI RU WL with lubricator to set a CIBP at 7,146' and cap it with 35' of cement. Load the casing with 3% KCL water and then perforate the 2nd Bone Springs Sand in the following intervals with 1 JSPF, 60 degree phasing and 0.42" deep penetrating charges.

8. TIH with 2.875" tubing and packer. Set the packer @ 5,600'. Acidize with 1,500 gal. Iron control 7.5% HCL. Pump the acid at 6-8 BPM while limiting surface treating pressure to 4000 psi. Load the annulus and monitor during the job. Drop 55 ball sealers spaced evenly throughout the acid. Flush to bottom perf. with 3% KCL water with a nonionic surfactant. Swab test and evaluate, if the decision is made to frac POOH with the 2.875" tubing and packer.

- 9. RU WL and lubricator and correlate to Schlumberger open hole logs. Pull a CBL across the TOC at +/-5,000'. WL set a RBP between the top perf at 5,850' and the TOC and dump 2 sacks of sand on top of it then perforate 100' above the TOC, this should be at +/-4,900'. Attempt to establish circulation up the 7" X 9-5/8" annulus, make sure all of the bradenhead valves are open. After circulation has been established set a retainer at 30' above the perforations. Sting into the retainer and squeeze with 250 sx of class 'C' cement. WOC. Drill out the retainer and test the casing to 1,500 psi.
- 10. TIH with a 7" treating packer and 3.5" 9.3# P-110 tubing to frac the 2nd Bone Springs sand. Set the packer at 5,200'. MI RU a tree saver and Frac Company to pump the following schedule at 38 BPM down the 3.5" frac string. Hold 1,000 psi on the 3.5" x 7" annulus during the frac treatment and monitor and record this pressure.

Treating Schedule

			lbs P:	roppant			
Stage	gal	Prop Conc					
Number		lb/gal	Stage Cumulative Proppant			roppant	Type
1	30000.	0.00	0.	0.			
2	15000.	1.00	15000.	15000.	20/40	Ottawa	
3	17500.	2.00	35000.	50000.	20/40	Ottawa	
· 4	20000.	3.00	60000.	110000.	20/40	Ottawa	
5	5000.	4.00	20000.	130000.	20/40	Ottawa	
6	10000.	4.00	40000.	170000.	20/40	Super 1	ĿÇ
7	+/- 2200.	0.00	. 0.	0.			

Estimated Surface Treating Pressure @ 38 BPM = 6,567 psig. Maximum allowable pressure is 10,000 psig.

Fluid Specifications: A 25# Borate Cross linked Guar gel, with a sand surfactant package, 1 gpt migrating clay control additive. Design breakers for 50% retained viscosity for 2 hours with a complete break in 4 hours. Use encapsulated enzyme breaker and liquid enzyme breaker to achieve a 4-hour break. Test the fluid with and without the Resin Activator. The liquid breaker must be pumped into the down hole side of the blender so that when the tub is bypassed breaker will still be going into the system. When the sand starts to fall off go to bypass and flush. Under flush the well 2-3 bbl short of the top perf.

YPC to furnish: 5 clean frac tanks with 480 BBL of 3% KCL water in each.

Service company to provide: computer van with job reports, weight tickets, on location and QC lab van.

10. Shut the well in for 8 hours to allow the gel to break and the resin to cure. Flow the well back if it will flow; TIH with notched blade bit and 2.875" tubing to 6,100', to ensure there is no sand across the perforated interval. POOH. Set a RBP 100' above the perforations and pressure test the casing to 3,000 psi and chart it for the BLM.

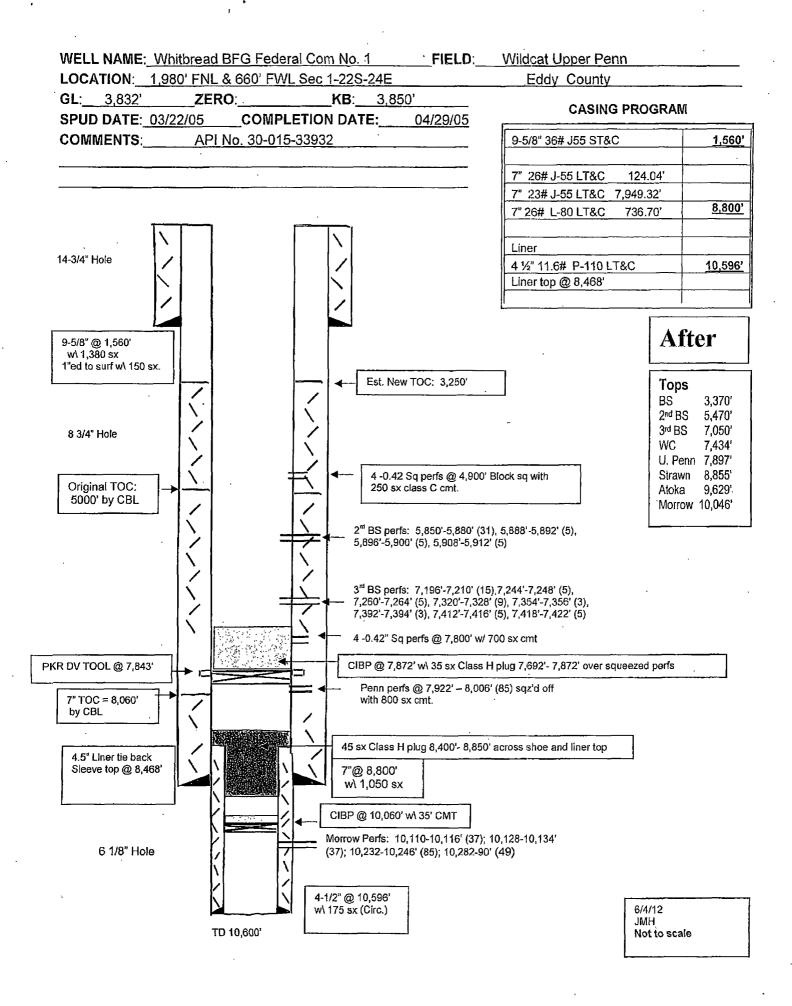
11. TIH with TAC and 2.875" production tubing. Swab the well until it cleans up, then TIH with pump and rods. Hang the well on and turn the well over to the production department.

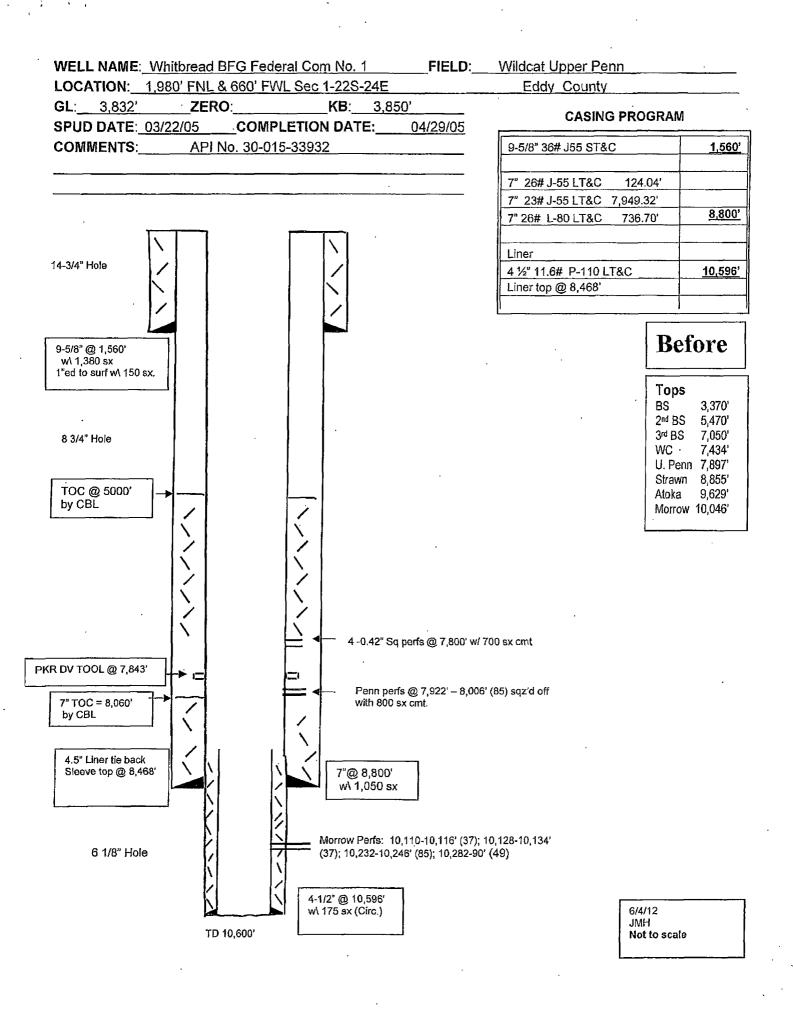
Area Engineer Made 26.17 Date 9-28-17

Mike Hill

June 4, 2012 (Revised 9-28-12)

Mikeh\mydocuments\word\proposal\frac\Whitebread BFG Fed Com No1 BS 6-4-12.doc





Conditions of Approval

Yates Petroleum Corporation Whitbread BFG Com - 01 API 3001533932, T22S-R24E, Sec 01

September 28, 2012

This well's recorded activity has been inactive/shut-in for more than 30 days without authorization. An inactive/shut-in well bore is a non-producing completion that is capable of production in **paying quantities** or of service use.

Do one of the following:

- A) Return the well to production or beneficial use on or before 12/20/2012.
- B) Submit a plan for BLM plug and abandonment status approval of the well on or before 12/30/2012.

A detailed justification is necessary for extension of that date.

- 1. The communization agreement for this well (NM112743) will be terminated.
- 2. Operator shall submit "Well Location and Acreage Dedication Plat" (NMOCD Form C-102) for the Bone Spring formation prior to commencing work. This document shall be submitted with all Notices of Intent to recomplete.
- 3. Provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log record of the 4 ½ "casing from 10,100" or below to top of liner. Also provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log record of the 7"casing from top of liner to 1,000 or top of cement. Supply these documents before beginning this workover. The CBLs may be attached in an e-mail to pswartz@blm.gov.
- 4. Notify BLM **575-200-7902** before commencing plug back procedures. The procedures shall be witnessed. If no answer, leave a voice mail with the API#, workover purpose and a call back phone number. Note the contact, time, & date in your subsequent report.
- 5. Surface disturbance beyond the existing pad shall have prior approval.
- 6. 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.
- 7. Functional H₂S monitoring equipment shall be on location.

- 8. A minimum of 3000 (3M) BOPE shall be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M) Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
- 9. 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.
- 10. Minimum 25 sack (class H > 7500ft & C < 7500ft) cement will be necessary. For any plug that requires 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 15.6#/gal, 1.18ft³/sx, 5.2gal/sx water.
- 11. Minimum requirement for mud placed between plugs is 25 sacks of salt water gel per 100 barrels in 9 lb/gal brine.
- 12. The BLM PET witness is to run tubing tally and agree to cement placement. Sample each plug for cement curing time and tag and/or pressure test (WOC time of 4 hours recommended) as requested by BLM PET witness.
- 13. Operator shall tag CIBP they set at 10,060' and place a 25 sack Class H cement plug on it instead of bailing 35' to properly cover the top of the Morrow.
- 14. Plug across 7" shoe and 4-1/2" liner top shall be tagged at 8,400' or shallower.
- 15. Instead of setting a CIBP at 7872', operator shall set a cement plug from 8,120' to 7,692'. Plug shall be tagged at 7,692' or shallower. This plug will overlap the CBL TOC of 8,060', cover the squeezed Canyon perforations (1,922' 8,006'), the DV tool and the squeezed perforations at 7,800'.
- 16. Charted pressure test shall be for a minimum of 30 minutes and witnessed by a BLM PET. Pressure leakoff may require remediation prior to continuing the workover. Include a copy of the chart in the subsequent sundry for this workover.
- 17. Due to the close proximity to the Wolfcamp formation with the proposed bottom Third Bone Spring perforations, the operator shall tag fracture material with a tracer and run a tracer survey to verify that the fracture material is not placed out of zone. Results of the tracer to be reported on the workover subsequent sundry Form 3160-5.
- 18. Pressure test following the fracture treatment shall be for a minimum of 30 minutes and witnessed by a BLM PET.
- 19. If well is put on production from the Third Bone Spring sand completion, the remainder of this procedure is null and void.

- 20. Second Bone Spring sand completion operator shall tag the bailed cement to verify the 35' cap.
- 21. Step 9 operator shall run a CBL to determine the TOC after performing the squeeze.
- 22. Tagging the Second Bone Spring fracture treatment will not be required.
- 23. File intermediate **subsequent sundry** Form 3160-5 within 30 days of any interrupted workover procedures. Include an updated wellbore diagram. File the subsequent sundry for the fracture treatment separately if it is delayed as much as 20 days.
- 24. Submit the BLM Form 3160-4 Recompletion Report within 30 days of the date all BLM approved procedures are complete.
- 25. Workover approval is good for 90 days (completion to be within 90 days of approval). A detailed justification is necessary for an extension of that date.

PRS/WWI 092912

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

NM Fed Regs & Forms - http://www.blm.gov/nm/st/en/prog/energy/oil and gas.html

§ 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.