

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

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

RECEIVED

JAN 26 2004

OCD-ARTESIA

5. Lease Serial No.	NM 0475051
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA/Agreement, Name and/or No.	SRM - 1144
8. Well Name and No.	Pennzoil 9 Federal Com No. 4
9. API Well No.	30-015-32545
10. Field and Pool, or Exploratory Area	White City; Penn (Gas)
11. County or Parish, State	Eddy Co., NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>Set surface, inter-</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>mediate, & 7 inch casing</u>
	☐ Convert to Injection	☐ Plug Back	☐ 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 recompleat 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 recompleat 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.)

12-03-03 Spud well.

12-04-03 Ran 10 jts of 13-3/8" 54.5# J STC casing to 438.' Cemented with 250 sx Thixotropic, 340 sx lead, 150 sx tail. Circulated 126 sx to pit. WOC 27 hrs.

12-12-03 Ran 74 jts 9-5/8" 40# P-110 LTC casing to 3224.' Cemented with 800 sx Interfill "C" & 200 sx Premium Plus + 2% CaCl. Circulated 200 sx cement to pit. WOC 14 hrs.

12-30-03 Ran 70 jts 7" 26# P-110 LTC casing to 10058.'

12-31-03 Cemented 1st stage with 350 sx Interfill "C" & 150 sx Super "H." Did not circulate cement 1st stage. Cemented 2nd stage with 385 sx Interfill "C" & 150 sx Premium Plus Neat. WOC 35.5 hrs. Found TOC at 1350.'

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

Natalie Krueger

Signature

Natalie Krueger

Title

Production Assistant

Date

January 21, 2004

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

Title 18 U.S.C. Section 1001, makes 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 reverse)

Gruy Petroleum Management Co.

Magnum Hunter Production, Inc.

Well History

December 4, 2003 Thru January 1, 2004

OPERATED

CARLSBAD SOUTH

GRUY PETROLEUM MANAGEMENT CO

76898 PENNZOIL 9 FEDERAL COM 4

EDDY, NM

Sec 9, T24, R26E

W.I. Pct BCP 5.27 %

W.I. Pct ACP 5.27 %

Morrow / 12,000'

12/04/2003 Depth 438

Progress 438

AFE: 22150 Present Operation: WOC

Drlg f/58 to 83' with full returns; drlg f/83' to 252' with partial returns, notified Jim Amos w/BLM of lost returns and told to drill; WLS @ 207' - .25 degs; drlg f/83 to 438' with no returns running all on bit and 120 RPM; TOH for casing; RU casers & run 10 jts of 13-3/8 / 54.5 / J STC casing to 438' & tag btm; CIRC & attempt to MU cement head on casing, could not make up, made decision to cmt & manually drop plug for displacement; cmt with 250 sx Thixotropic, 340 sx lead, 150 sx tail & 62 bbls FW, bumped plug & float held, started getting returns during displacement and CIRC 126 sx of cmt to pit & witnessed by Duncan Whitlock with BLM; WOC to set, call for welder to cut off conductor & casing.

12/05/2003 Depth 438

Progress 0

AFE: 22150 Present Operation: Drlg Cement

Wait on Cement. Cut conductor and casing. Weld on head and cool. Test wellhead to 500 psi. Nipple up BOP Stack. Pick up bit and motor. Function rams and found one pipe ram off carrier. Open ram doors and clean out cement and cuttings. Pick up BHA. Replace ram carrier and close door. Trip in hole to 390' and tag cement above FC at 393'.

12/06/2003 Depth 1,064

Progress 626

AFE: 22150 Present Operation: Drlg

Drilling cement from 390' - 415'. Test pipe rams, casing, and annular preventers to 500 psi. Work on pumps. Drill cement to 438'. Drilling from 438' - 819' with 45K WOB and 65 RPM. Wireline Survey at 744' - 1.25 degrees. Drilling from 819' - 910' with 40K WOB and 65 RPM. Wireline Survey at 837' - .5 degrees. Drilling from 910' - 1064' with 45K WOB and 65 RPM. Daily ROP - 31.1'/hr.

12/07/2003 Depth 1,679

Progress 615

AFE: 22150 Present Operation: Drlg

Drilling from 1064' - 1262' with 45K WOB and 65 RPM. Wireline Survey at 1190' - 1.25 degrees. Drilling from 1262' - 1547' with 40K WOB and 70 RPM. Wireline Survey at 1472' - 3.5 degrees. Drilling from 1547' - 1643' with 15 - 20K WOB and 70 RPM. Wireline Survey at 1627' - 4 degrees. Drilling from 1643' - 1679' with 8 - 10K WOB and 70 RPM. Daily ROP - 27'/hr / Present ROP - 8'/hr.

12/08/2003 Depth 1,912

Progress 233

AFE: 22150 Present Operation: Drlg

1/21/04 PENNZOIL 9 FEDERAL COM 4

Drilling from 1679' - 1723' with 10K WOB and 70 RPM. Wireline Survey at 1723' - 4 degrees.
 Drilling from 1723' - 1841' with 8K WOB and 70 RPM. Wireline Survey at 1817' - 4 degrees. Drilling
 from 1841' - 1912' with 10K WOB and 70 RPM. Daily ROP - 10'/hr.

12/09/2003 Depth 2,265
 Progress 353
 AFE: 22150 Present Operation: Drlg

Drilling from 1912' - 1959' with 15K WOB and 70 RPM. Wireline Survey at 1944' - 3 degrees. Drilling
 from 1959' - 2184' with 20 - 25K WOB and 70 RPM. Wireline Survey at 2170' - 2 degrees. Drilling
 from 2184' - 2265' with 25 - 30K WOB and 70 RPM. Daily ROP - 15.2'/hr.

12/10/2003 Depth 2,736
 Progress 471
 AFE: 22150 Present Operation: Drlg

Drilling from 2265' - 2438' with 35K WOB and 70 RPM. Rig Service. Drilling from 2438' - 2626'
 with 35K WOB and 70 RPM. Wireline Survey at 2584' - 2 degrees. Drilling from 2626' - 2736' with
 40K WOB and 65 RPM. Daily ROP - 20.25'/hr.

12/11/2003 Depth 3,205
 Progress 469
 AFE: 22150 Present Operation: RU LD Machine

Drilling from 2736' - 3036' with 45K WOB and 65 RPM. Wireline Survey at 2964' - .75 degrees
 Drilling from 3036' - 3071' with 45K WOB and 65 RPM. Rig up Fluid caliper. Drilling from 3071' -
 3205' with 45K WOB and 65 RPM. Circulate sweep around for casing. Trip out of hole for casing. Daily
 ROP - 22.6'/hr.

12/12/2003 Depth 3,224
 Progress 0
 AFE: 22150 Present Operation: Drilling Cmt in Float Joint

Rig up laydown machine and laydown 8" DC. Rig up casing crew and run 74 jts of 9.625/40/P110/LTC
 casing to 3224'. Circulate casing on bottom and rig up Halliburton. Cement with 800 sx of Interfill
 "C", 200 sx of Premium Plus with 2% calcium chloride, and displace with 240 bbls of FW. Bumped plug
 and floats held. Circulated 200 sx of good cement to pit. Nippedown BOP and set slips with 120K. Cut
 casing, nippleup "B" section, and test to 2500 psi. Nippleup BOP. Test Blind rams, choke manifold,
 floor valves, and pipe rams to 250 and 5000 psi. Annular to 3500psi. Make up BHA and trip in hole to
 3175' and tag cement. Drill float collar at 3179' and cement to 3200'. Test casing to 1500 psi. Good test.

12/13/2003 Depth 4,232
 Progress 1,008
 AFE: 22150 Present Operation: Drlg

Drilling cement to shoe at 3224'. Drill 5' of new formation to 3229'. Close annular and pressure up
 to 325 psi for 5 min with no leak off. Drilling from 3229' - 3249' with 25K WOB and 60 RPM. Rig
 Service. Drilling from 3249' - 3629' with 40K WOB and 60 RPM. Wireline Survey at 3554' - .5
 degrees. Drilling from 3629' - 4105' with 40K WOB and 60 RPM. Wireline Survey at 4057' - 1 degree.
 Drilling from 4105' - 4232' with 35K WOB and 60 RPM. Daily ROP - 45.3'/hr.

12/14/2003 Depth 5,252
 Progress 1,020
 AFE: 22150 Present Operation: Trip for New Bit

Drilling from 4232' - 4518' with 45 - 50K WOB and 60 RPM. Wireline Survey at 4451' - One degree.
 Drilling from 4518' - 5027' with 50K WOB and 60 RPM. Wireline Survey at 4951' - 1.25 degrees. Drilling
 from 5027' - 5063' with 45K WOB and 60 RPM. Install rotatinghead. Gas and fluid blowing up through
 rotary table on connection. Light flare and had 6 - 8' flare and connection gas came up to 12 - 15'.
 Drilling from 5063' - 5252' with 45K WOB and 60 RPM. Bit started to torque up and pressure came up to

2300 psi on motor. Slug pipe with Brine Water for trip out of hole. Trip out of hole for bit and motor. Daily ROP - 45.3'/hr / Cum ROP - 45.3'/hr.

12/15/2003	Depth	5,831
	Progress	579
AFE: 22150	Present Operation:	Drlg
Trip out of hole. Change out bit and motor. Trip in hole with BHA. Cut drilling line. Kelly up and pump 50 bbls of Brine Water. Well starting to flow with gas coming through rotary. Trip in hole to 4400'. Well flowing again. Kelly up and shut in through choke manifold. Hold back pressure on wellbore and circulate out. Flare up to 50' for 45 minutes and gradually dropped off to 6 - 8'. Open up and had no flow. Trip in hole to 5145'. Ream 107' to bottom. Flare was 12 - 15' on bottoms up. Dropped off to zero. Mud weight is 8.8 ppg. Drilling from 5252' - 5655' with 45K WOB and 60 RPM. Wireline Survey at 5590' - 1.5 degrees. Drilling from 5655' - 5831' with 40K WOB and 60 RPM. Daily ROP - 39.9'/hr.		
12/16/2003	Depth	6,459
	Progress	628
AFE: 22150	Present Operation:	Running Survey at 6400'
Drilling from 5831' - 6078' with 45K WOB and 60 RPM. Wireline Survey at 6008' - 2 degrees. Drilling from 6078' - 6205' with 25K WOB and 60 RPM. Wireline Survey at 6134' - 2 degrees. Drilling from 6205' - 6459' with 30K WOB and 70 RPM. Daily ROP - 27.3'/hr.		
12/17/2003	Depth	6,988
	Progress	529
AFE: 22150	Present Operation:	Drlg
Wireline Survey at 6384' - 1.75 degrees. Drilling from 6459' - 6657' with 35K WOB and 60 RPM. Wireline Survey at 6584' - 2 degrees. Drilling from 6657' - 6840' with 35K WOB and 60 RPM. Wireline Survey at 6767' - 2 degrees. Drilling from 6840' - 6988' with 35K WOB and 60 RPM. Daily ROP - 23'/hr.		
12/18/2003	Depth	7,517
	Progress	529
AFE: 22150	Present Operation:	Drlg
Drilling from 6988' - 7094' with 35K WOB and 60 RPM. Wireline Survey at 7024' - 2 degrees. Drilling from 7094' - 7317' with 35K WOB and 60 RPM. Wireline Survey at 7243' - 2 degrees. Drilling from 7317' - 7517' with 35K WOB and 60 RPM. Daily ROP - 23'/hr.		
12/19/2003	Depth	7,845
	Progress	328
AFE: 22150	Present Operation:	Rig repairs
Drilling from 7516' - 7603' with 35K WOB and 60 RPM. Wireline Survey at 7533' - 3 degrees. Drilling from 7603' - 7730' with 20K WOB and 60 RPM. Wireline Survey at 7655' - 2.75 degrees. Drilling from 7730' - 7845' with 20K WOB and 60 RPM. Flare came up from 1 - 2' to 8 - 10' after wireline survey. Had drilling break just before running wireline survey, but would not flow while taking survey. Noticed flow during next connection and ordered Brine Water to raise weight to 9.2 ppg. Put BW in system and flare went out. Slug pipe w/ 10# BW and drop survey tool. Begin tripping out of hole. Repair compound chain. Daily ROP - 15.6'/hr. Will check drill collars on trip out of hole.		
12/20/2003	Depth	7,982
	Progress	137
AFE: 22150	Present Operation:	Drlg
Repair chain. Finish trip out of hole to Drill Collars. Rig Service. Trip check Drill Collars and found 4 - 6" Drill Collars cracked. Change out bit, motor, and RMR. Trip in hole with DC, pick up 4 DC and trip in hole to 7775'. Ream 70' to bottom. Drilling from 7845' - 7883' with 20K WOB and 60		

RPM. Wireline Survey at 7808' - 3 degrees. Drilling from 7883' - 7979' with 17K WOB and 60 RPM. Wireline Survey at 7956' - Misrun. Drilling from 7979' - 7982' with 17K WOB and 60 RPM. Daily ROP - 13.7'/hr BGG - 51u / Trip Gas - 275u / Survey Gas - 225u / No Flare.

12/21/2003 Depth 8,471
Progress 489
AFE: 22150 Present Operation: Drlg

Drilling from 7982' - 8011' with 25K WOB and 60 RPM. Wireline Survey at 7971' - 1.75 degrees. Drilling from 8011' - 8138' with 25K WOB and 60 RPM. Rig Service. Wireline Survey at 8097' - 2 degrees. Drilling from 8138' - 8360' with 25K WOB and 60 RPM. Wireline Survey at 8285' - 1.75 degrees. Drilling from 8360' - 8471' with 30K WOB and 60 RPM. Daily ROP - 21.9'/hr.

12/22/2003 Depth 8,859
Progress 388
AFE: 22150 Present Operation: Drlg

Drilling from 8471' - 8551' with 30K WOB and 60 RPM. Wireline Survey at 8481' - 2.25 degrees. Drilling from 8551' - 8679' with 25K WOB and 60 RPM. Wireline Survey at 8604' - 2.25 degrees. Drilling from 8679' - 8859' with 20K WOB and 60 RPM. Daily ROP - 17'/hr.

12/23/2003 Depth 9,124
Progress 265
AFE: 22150 Present Operation: Drlg

WLS @ 8800' - 1 1/2 DEG. DRILL F/ 8859' - 9012'. AVG. ROP - 10.4 FPH. WOB - 25, RPM - 60. DRLG AT 9012' - LOST RETURNS - PUMP LCM PILL - REGAINED RETURNS. DRILL F/ 9012' - 9124'. AVG. ROP - 14 FPH. WOB - 25, RPM - 60. FLARE BURNING SINCE YESTERDAY MORNING - 10' - 15'. MUDLOGGER - 80% SHALE, 20% LIMESTONE. BGG - 225 U, MAX GAS - 475 U.

12/24/2003 Depth 9,310
Progress 186
AFE: 22150 Present Operation: Drlg

DRILL F/ 9124' - 9156'. AVG. ROP - 8 FPH. WOB - 20, RPM - 60. WLS @ 9086' - 2 DEG. NOTE - SURVEY GAS UP - APPROX. 60' FLARE AND BLEW FLOW FLOW LINE OFF. DRILL F/ 9156' - 9310'. AVG. ROP - 7.9 FPH. WOB - 15, RPM - 60. NOTE - BEGAN MUDUP AT 9190' DUE TO HIGH GAS. MUDLOGGER - BGG - 349 U, MAX. GAS - 1125 U. NO SHOWS LAST 24 HOURS. PRESENTLY BURNING 1' - 3' FLARE. NOTE - WILL TRIP FOR NEW BIT AFTER DAYLIGHT.

12/25/2003 Depth 9,565
Progress 235
AFE: 22150 Present Operation: Drlg

DRILL F/ 9310' - 9330'. AVG. ROP - 8.6 FPH. WOB - 15, RPM - 60. PUMP SLUG, DROP TOTCO. TOH FOR NEW BIT. CHANGE BIT, PU MOTOR, IBS, 3 PT. REAMER. TIH. PU KELLY, CIRC. - 18' FLARE. TIH. WASH AND REAM 60' TO BOTTOM. DRILL F/ 9330' - 9565'. AVG. ROP - 22.9 FPH. WOB - 40, RPM - 50. (25' - 30' FLARE ON BOTTOMS UP AFTER TRIP) MUDLOGGER - 50% SHALE, 50 % LIMESTONE. NO SHOWS. BGG - 200 U. MAX GAS - 1800 U. PRESENTLY BURNING - 1' - 4' FLARE.

12/26/2003 Depth 9,880
Progress 315
AFE: 22150 Present Operation: Drlg

DRILL F/ 9565' - 9727'. AVG. ROP - 15.8 FPH. WOB - 40, RPM - 50. WLS @ 9652' - 2 DEG. DRILL F/ 9727' - 9880'. AVG. ROP - 11.8 FPH. WOB - 25, RPM - 55. NOTE - AT 9530' - HOLE STARTED TAKING FLUID - MIXED TWO HEAVY LCM PILLS AND HOLE

1/21/04

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HEALED. LOST A TOTAL OF 80 BBLS. MUDLOGGER - 90% SHALE, 10% LIMESTONE. NO SHOWS. 122 U BGG. NO FLARE THIS MORNING.

12/27/2003
Depth 10,044
Progress 164
AFE: 22150 Present Operation: KILLING WELL

DRILL F/9880'-9917'. AVG ROP - 10.6 FPH. WOB - 25, RPM - 55. WLS@9847' - 2 1/2 DEG. DRILL F/9917'-10,044'. AVG ROP -14.9 FPH. WOB - 20, RPM - 55. DRLG AHEAD AT 10,044'. TOOK GAIN, PU - WELLFLOWING - SHUT IN - NO CSG PRESS RECORDED. CIRC THROUGH CHOKE. (DRILLER'S METHOD) NO RESULTS. CIRC USING WEIGHT AND WAIT. BRINGING UP MW 1 PT. AT A TIME. PRESENTLY HAVE 10.3+ GOING IN AND 9.8 COMING OUT. BURNING 40' FLARE. GOING THROUGH CHOKE AT SPR OF 60 SPM AND 250 PSI. CHANGED OUT GAGE AT 04:00 - SICP 380, SIDP - 50. MUDLOGGER REPORT - 90% SHALE, 10% LIMESTONE. 150 U BGG, W/900 U PEAKS. 9887'-9801' - 444 U BGG, 9906'-9918' -780 U BGG. 10,044 DRLG BREAK. TOOK KICK - KILL WELL.

12/28/2003
Maintenance
AFE: 22150 Present Operation: CIRC AND WO CASING

CIRC THROUGH CHOKE TO KILL WELL. SERVICE RIG. DRILL F/10,044'-10,058' AVG ROP - 7' FPH WOB - 20 RPM - 25. LOST RETURNS - MIX AND JPUMP LCM SLUGS (3TIMES) REGAINED RETURNS. MONITOR WELL FOR GAS. CIRULATING, MOVING STRING AND WO CASING. 7" SHOULD BE ON LOCATION TONIGHT BY 10:00 PM. PRESENTLY BURNING 2' - 4' FLARE. HOLE STABLE. HOLE IS LOSING APPROX 3-4 BBLS PER HOUR.

12/29/2003
Maintenance
AFE: 22150 Present Operation: CIRCULATING

CIRC HOLE TAKING 3-4 BBLS / HOUR. MIX SLUG - PREPARE FOR SHORT TRIP. SHORT TRIP - 15 STDS - TO ABOVE 1st GAS 8863'. MONITOR WELL. KEEPING HOLE FULL WITH PUMP. BACK TO BOTTOM - WELL SHOWED INCREASE OF 10 BBLS AND FLOW INCREASED BY 10% (AFTER 2 HOURS). TOTAL TIME WITHOUT PUMP ON HOLE - 3 1/2 HOURS. TIH. CIRC AT REDUCED RATE - WELL OK. MAX FLARE AFTER TRIP - 8'-12'. HOLE TAKING 3-4 BBLS/HOUR. 2 TRUCKS OF CASING HERE AT 2:00 PM. LAST 4 TRUCKS ARRIVED AT 10:00 PM ON LOC 246 JTS 7" 26# HCP110 LTC. CASING INSPECTORS WORKING ON CASING. PRESENTLY BURNING 1'-3' FLARE.

12/30/2003
Depth 10,058
Progress 0
AFE: 22150 Present Operation: Circulating gas

Trip out of hole standing back drill pipe. Rig up laydown machine. Laydown Drill Collars and BHA. Rig up casing crew and run 70 joints of 7/26/P110/LTC casing to 2920' when gas and mud started to come through rotary table. Circulate through chokes with 40 - 50' flare and casing pressure up to 800 psi. Attempt to kill well in order to get stripping rubber to seal off around top of rotatinghead bowl. Gasket would not seal. Raised MW in slug pit to 11.4 PPG and pump around casing at 2920'. Gas dropped off enough to open up annular, get rotatinghead to seal, and resume running casing. Ran casing to 5980' when gas started blowing through rotary table and pits filled up. Shut in well through chokes and circulate with 1000 psi on casing and 60' flare. Casing pressure has dropped off to 800 psi and flare down to 20 - 25' at report time. Will circulate out and continue running casing. Notified BLM of casing and cement operations. Was told by Jim Amos to call Alexis Swaboda in Roswell office about filing Sundry notice for change in plans. She said to make a note in well file submitted to state.

12/31/2003
Depth 10,058
Progress 0
AFE: 22150 Present Operation: NIPPLE UP BOP

Circulate gas out of wellbore and build volume in pits. Circulate until able to open annular preventer.

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Ran 50 joints of casing to 8000' and shutdown to fill pipe. Circulate gas out of wellbore and build volume in pits. Circulate until able to open annular preventer. Ran casing to 10058' and tag bottom. Circulate gas out of wellbore. Had 50 - 60' flare for 5 minutes and slowly dropped off to 5 - 10'. Rig up Halliburton and cement first stage with 350 sx of Interfill "C" and 150 sx of Super "H". Displace with 218 bbls of drilling mud and 165 bbls of FW. Land plug and floats held. Drop bomb and open tool with 770 psi. Circulate and build volume in pits. Did not circulate any cement to pits, but did see flocele come out of hole. Cement second stage with 385 sx Interfill "C" and 150 sx of Premium Plus Neat cement. Displace with 223 bbls of Drilling mud and close tool with 1900 psi. Had good returns during job. Nippedown BOP stack. Pick up BOP and set slips.

01/01/2004

Depth 10,058

Progress 0

AFE: 22150

Present Operation: Picking up 3.5" DP

Nipple up BOP stack and install 3.5" pipe rams. Test BOP ram door seals, pipe rams, and choke manifold to 250 and 5000 psi. Test annular, blinds, and casing to 2500 psi. Performed Accumulator pump volume test. Ran temperature survey and found top of cement at 1350'. Jim Amos with BLM said they are satisfied with this and no further cementing will be necessary. Rig up laydown machine and tongs. Laydown all 4.5" DP in derrick. Change out kelly.