Form 3160-5 UNITED STATES FORM APPROVED						c15'
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to despon or reentry to a different reservoir. Use "APPLICATION FOR PERMIT." for such proposals  I the American Structure Control of the American Structure Cont	Form 3160-5 June 1990)	DEPARTMEN	T OF THE INTERIOF			FORM APPROVED Budget Bureau No. 1004-0135
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir Use "APPLICATION FOR PERMIT." for such proposals						•
SUBMIT IN TRIPLICATE  Type of Wal  Verial  A data and of the process of the proc		n for proposals to dril	or to deepen or rea	entry to a differe	ent reservoir.	6. If Indian, Allottee or Tribe Name
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Address and releption No.       20015 20073         RECEIVED       00015 20073         330 <sup>1</sup> FNL & 990 <sup>1</sup> FEL, SEC. 35, 198, 30 <sup>12</sup> 00015 20073         330 <sup>1</sup> FNL & 990 <sup>1</sup> FEL, SEC. 35, 198, 30 <sup>12</sup> 00015 20073         22       CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION         3 subsequent Report       Recompletion         Subsequent Report       Recompletion         Subsequent Report       Recompletion         Subsequent Report       Recompletion         Check how provide of intent       Abandonment         Recompletion       Now Roostructon         Mon-Routine Fracturing       Casing Repair         Construction       Dispose Water         Busine Report       Dispose Water         Plaging Back       Now Roostructon         Notice of Intent       Abandonment Notice         Casing Repair       Water Stutcotf         Subsequent Report       Dispose Water         Plaging Back       Dispose Water         NURU INSU. ND by head A NU BOP, Tailed out w2 38 <sup>10</sup> tip - parted 8203.77. The venethol 3. <sup>10</sup> edition on 2. <sup>10</sup> N-90 work string Plant Tor 2 <sup>10</sup> es 10. <sup>10</sup> Milling editionation 2. <sup>10</sup> Check 4006.10000000000000000000000000000000000	•	m /	12 XE	0PT 2001	'A'	
110 UP, LOUISIANA SIE 410, MIDLAND, IX (19/01 (915) 632-74       0.CD - ARTESIA       0. Field and Pool, of Exploratory Area         330' FNL & 990' FEL, SEC. 35, 18S, 30E       0. Field and Pool, of Exploratory Area         330' FNL & 990' FEL, SEC. 35, 18S, 30E       0. Second Processory Beerdington)       10. Weight 2014 (2014)         2.       CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF SUBMISSION       11. County or Parish, Stata         2.       CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF ACTION       Bandonment         2.       CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       Change of Plans       EDDY, NM         2.       Oster of Intent       Abandonment       Change of Plans       Change of Plans         3.       Oster of Submitting Back       Onter Submitting Back       Convention to Injection         3.       Describe Proposed or Completed Operations (Clearly state all pertinent dates, including estimated date of stating any proposed work. If wells direct only dried, give subsurface locations and measured and two varical depth or all matchers and count on 2.76° He30 work string. Find TO' Q 2475 +7.1. Counts find To' To' Weight adds us to to per 167 - 210% D-85. DN 300° FIE         3.       Describe Proposed or Completed Operations (Clearly state all pertinent dates, including estimated to this work string. Find TO' Q 2475 +7.1. Control find To' Q 2475 +7.1. Control find To' Q 2475 +7.1. Control find To' Q 2475					N	
Location of Weil (Footage, Sec. T. R. M. or Survey Description) 330° FNL & 990° FEL, SEC. 35, 188, 30E   Subart Yates 7 Rvrs Gn GB  11. county or Parsh, State EDDY, NM  2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF SUBMISSION  Advance of Inlext Advance o	110 W. LOUISIANA S	TE 410; MIDLAND, TX 79	701 (915) 683-7443	-	ž)	
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2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF SUBMISSION  Check of Intent  Abandotiment  Change of Plans  Recompletion  Abandotiment  Abandotiment  Change of Plans  Recompletion  Abandotiment  Abandotime  Abandotiment  Abando			Ň	34-15342°		EDDY, NM
Notice of Intent       Abandonment       Change of Plans         Subsequent Report       Plugging Back       Non-Routine Fracturing         Claining Ropair       Water Shut-Off         Final Abandonment Notice       Plugging Back       Non-Routine Fracturing         Claining Ropair       Water Shut-Off         Claining Ropair       Water Shut-Off         Attening Casing       Conversion to Injection         Work Reported at a final mage compation of the state of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones perfinent to this work )?         09-24-01 INIEU WSU. ND by head & NU BOP. Table odu wit 2-398 in tigs or particed 20209.77. THW oversitol 8.3' orcharison on 2-78' TM-80 work string. Find TOF® 2475' +/ Labb find & TOH wit same. Rec all of tbg 4 loc-set pkr. Talled adds up to periatine to 285'. Est rate / press (18309/@ 1.BPM. Pumped 50 sc C +272' Clain Tot Molecon on 2-78' TM-80 work string. Find TOF® 2475' +/ Labb find & 1004 wit same. Rec all of tbg 4 loc-set pkr. Talled adds up to periatine to 2216'. The Work string. Table of string 00 pprop 3585'. SDON         09-24-01 INIEU WSU. ND by head to NU BOP. Table out wit 2-39''''' a work string. Table out string. The part of 215''''''''''''''''''''''''''''''''''''	2. CHECK AF	PPROPRIATE BOX(s)			, REPORT, OF	R OTHER DATA
Subsequent Report	TYPE OF S	SUBMISSION		TYPE	OF ACTION	
Subsequent Report Plugging Back Non-Routine Fracturing   Final Abandonment Notice Altering Casing Conversion to Injection   3. Describe Proposed or Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)*   3. Describe Proposed or Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)*   3. Describe Proposed or Completed Operations (Clearly state all pertinet data). The Work Resort ensorts of X39 mins Part Part of Q 2030. The Work Resort Part Part Part Part Resorts on 27.8* York String. TOH. Thi W york Part Part Part Part Part Part Part Part	Notice of I	ntent	Aband	onment		Change of Plans
Final Abandonment Notice           Casing Repair	57			•		New Construction
□       Final Abandonment Notice       □       □ Altering Casing       □       □ Conversion to Injection         3. Describe Proposed or Completed Operations (Clearly state all perfined details, and give perfinent dates, including estimated date of starting any proposed work. If well is directonally drilled, give subsurface locations and measured details for all markders and zones perfinent to fits work.)*         0.0-2-01 MIRU WSU. No tog bead & NU BOP. Tailied out w/ 2-34% injt g - parted @ 2030.77. TH w overshot & 3 extension on 2-76* N-80 work string. Find TOF @ 2475* / 1. Lahd fish & ATOH wis same. Eval of tbg & locate perf & Tailied adds up to pkr stilling @ appx 3555* SDON         0-2-2-01 MIRU WSU. No tog bead & NU BOP. Tailied out w/ 2-34% injt g - parted @ 2030.77. TH w overshot & 3 extension on 2-76* N-80 work string. Find TOF @ 2475* / 1. Lahd fish & ATOH wis same. Eval of tbg & locate perf & Jailied adds up to pkr stilling @ appx 355* SDON         0-2-2-01 TH w 4-34% bit & scraper to 3191* on 2-76* work string. TOQ. @ 2441* TON. TH w / 3-10* Drilf * 2-10* N-80 work string. Extension # 100 bead & 10	X Subseque	nt Report		•		
Other _squeeze perfs       Dispose Water         Week: Report results of multiple completions       Clearly state all pertinet datails, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)*         08-2401       IMRU WSU. ND behad & NU BOP. Tallied out well 2-38° in tig to parted @ 2030.77. TH will overshold & 3' extension on 2-78° who's thing. TOH. TH w 5-12° CIBP. Set CIBP @ 3100.01. TH wf 5-12° CIBP.         09-2401       IMRU 4-34° bit is 8.70H wisame. Rec all of big & loc-set pkr. Tallied adds up to pkr sitting @ appr. 3555. SDON         09-26-11       TH will 4-34° bit is 8.70H wisame. Rec all of big & loc-set pkr. Tallied adds up to pkr sitting @ appr. 3555. SDON         09-26-11       Statet @ 2160.* Demped tion eth- and communication up to park sitting of appr. 3555. SDON         09-26-11       Statet @ 2160.* Demped tion eth- and communication up to park sitting. Toe TH will Ard relainer to 2216'. SDON         09-26-201       MRC traverse unit. TH will 430° bit, 8 -3-10° DC's, 2-78° work string. Toe park 13050° rate. Pumped 75 sc C + 310% p-167 + 210% p-65 tollowed by 75 sc C + 2% CaCl followed by 20 sc C neat. TOH LD 45 is to gt drill out TOC @ 1869.         09-26-201       MRC traverse unit. TH will 430° bit, 8 -3-10° DC's, 2-78° work string. Tagged cmt @ 1865' drilling cmt. Drilling cmt relainer @ 1870' in 4-1/2 hrs. Drilling soft cmt to 1226'. Drill 2/20.* Cacl cmc eta deg 260°. Drill 2/20.* Cacl cmc eta deg 260°. Drilling cmt relainer @ 1870' in 4-1/2 hrs. Drilling soft cmt to 1236' to 1200.* Tested cag lo	Final Abar	adooment Notice	_			
10bits: Report multiple completion on Well Completion or Recompletion Report and Log form.)           3. Describe Proposed or Completed Operations (Clearly state all pertinent data); and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markdwars and zones pertinent to this work.)*           09-24-01 MIRUWSU. ND Usp bead & NU BOP. Tallied out w/2-30° inj tbg - parted @ 2030 77. TH w/ overshot & 3' extension on 2-76° N-60 work string. Tot: TH w/ and testing @ apprx 3555'. SDON           09-24-01 TH w/4-34* bit & scraper to 3191 on 2-76° work string. TOH. TH w/5-1/2° CIBP. Get(CIBP @ 3100."TH w/5-1/2° CIBP and CIBP @ 3100."Th w/5-1/2° CIBP and CIBP @ 3100."Th w/5-1/2° CIBP and Testiner to 2351'. Est ret @ 216'. Testalmer to 2216'. SDON.           09-24-01 TH w/4-34* bit & 5-27 CIP @ 300 CIBP @ 3100."Th w/5-167 + 210% D-65           09-25.01 Set ret @ 2216'. Pumped into ret - had communication up backstide. Squeeze w/ 50x C + 3/10% D-65           09-26-01 Set ret @ 2216'. Call followed by 200 sc C Naeu. TOH. TH w/4 hr ret. & set @ 1870'. Est 2 BPM & 1350' rate. Pumped 75 sc C + 3/10% D-65           09-29-01 MIRU reverse unit. Th w/4 -34* bit, 8 - 3-1/2° DC's, 2-7/8* work string. Tagged cmt @ 1865' drilling cmt. Ton 1926' to 2120'. Tested csg to 500 pai- OK. TOH for new bit. SDON.           09-20-01 TH w/4 -34* bit, 8 - 3-1/2° DC's, 2-7/8* work string. Tagged next cmt ret @ 2120'. Cont drilling firm cmt to 2150' & hard cmt to 2157'. SDON           09-20-01 TH w/4 -34* bit, 8 - 3-1/2° DC's, 2-7/8* work string. Tagged next cmt ret @ 2120'. Cont drilling firm cmt to 2150' & hard cmt to 226'. Tested squeeze to 500.".						
<ul> <li>3. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones perlinent to this work.)*</li> <li>08-24-01 MRU WSU. ND the head &amp; NU BOP. Tailied out w/ 2-3/8" in j thg - parted @ 2030/77. TH w/ cvershot &amp; 3' extension on 2-7/8" N-80 work string. Find TOF @ 2478" + 1. Latch fish A TOH wi same. Rec all of the j loc-set pkr. Tailied adds up to pkr sitting @ approx 3555. SON</li> <li>09-25-01 TH w/ 4-3/4" bit &amp; scraper to 3191' on 2-7/8" work string. TOH. TH w/ 5-1/2" CIBP @ 5100/. TH w/ 5-1/2" cmt retainer to 2251'. Est rate / press @ 1303/@ til PBM. Pumped 50 sc C + 2% (2-10 CC) CC @ 2944. TOH. TH w/ 5-1/2" cmt retainer to 2851'. SON</li> <li>09-26-01 Set ret @ 2216'. Pumped into ret - had communication up backside. Squeeze w/ 50 sc C + 3/10%, D-167 + 2/10%, D-65</li> <li>followed by 125 sc C + 2% CaCl followed by 200 sc C Neat. TOH. TH w/ 4th ret. &amp; set @ 1870'. Est 12 BPM &amp; 1350# rate. Pumped 75 sc C + 3/10%, D-167 + 2/10%, D-65</li> <li>followed by 125 sc C + 2% CaCl followed by 200 sc C Neat. TOH. TH will the 13 store the 1300 cmt 100 w/ TOC @ 1866'.</li> <li>Secure well &amp; SD. WOC until 9/2801.</li> <li>09-29-01 MRU reverse unit. TH w/ 4-3/4" th. 8t - 3-1/2" CC X/2" call followed by 200 sc C Neat. TOH. TH will the 5' to 12/0'. Tested csg to 500 pai - OK. TOH for new bit. SDON.</li> <li>10-01-01 Drilling cmt from 1926' to 21/0'. Tested csg to 500 pai - OK. TOH for new bit. SDON.</li> <li>10-03-01 Resume drilling hard cmt to 2204'. Dropped out of cmt @ 2204'. Tagged next cmt ret @ 2216'. Tested squeeze jobs to 500#. Drilled through ret. Drilled good hard cmt to 2230'. Crist sting a Soft Sting Call Institute 2020'. Tested squeeze to 500#. Lost down to 325# is 10 min. 30.0% 75 sk C + 2% CaCl mixed @ 1247'. Cmt retainer &amp; 2215'. Squeezed 2243</li></ul>						
continued on back-side.         4. Unereby certile (that the fore-doing if true and correct         Signed						f starting any proposed work. If well is
Signed     Title     Production Analyst     Date     10/18/01       (This space for Federal or State office use)     Title     Date     10/18/01	directionally drilled, give s 09-24-01 MIRU WSU. ND 4 Find TOF @ 2475 09-25-01 TIH w/ 4-3/4" bit & Est rate / press @ 09-26-01 Set ret @ 2216". I retainer. Set ret @ followed by 125 sx 3/10% D-167 + 2/ Secure well & SD. 09-29-01 MIRU reverse unit Drilling soft cmt to 10-01-01 Drilling cmt from 1 10-02-01 TIH w/ 4-3/4" bit, t to 2167'. SDON. 10-03-01 Resume drilling ha ret. Drilled good h Lost down to 325# 10-04-01 Well open to test f 22500#. TIH w/ net 10-05-01 Finished TIH. Tag to 500#.	subsurface locations and measure tog head & NU BOP. Tallied out i'+ / Latch fish & TOH w/ same & scraper to 3191' on 2-7/8" work 1830# @ 1 BPM. Pumped 50 s; Pumped into ret - had communic; 2 2120'. Est 2 BPM & 1600# rate k C + 2% CaCl followed by 200 s; 10% D-65 followed by 75 sx C + 2 . WOC until 9/28/01. t. TIH w/ 4-3/4" bit, 8 - 3-1/2" DC 1926'. Top perf 1935'. Cmt not 1926' to 2120'. Tested csg to 500 bit sub, 8 - 3-1/2" DC, X-over sub ard cmt to 2204'. Dropped out of ard cmt to 2230'. Cmt stringer & # in 2 min & 300# in 10 min. tank 12 hrs & flowed back 20 BBI 5 sx C + 3/10% D-167 + 2/10% D w 4-3/4" bit, 8 - 3-1/2" DC, & tbg. iged cmt on ret @ 2210'. Drilled c	red and true vertical depths fo w/ 2-3/8" inj tbg - parted @ 20 . Rec all of tbg & loc-set pkr. string. TOH. TIH w/ 5-1/2" Cl ( C + 2% CaCl. TOC @ 2944', tition up to perfs above. Pumpe . No communication up backs ( C Neat. TOH. TIH w/ 4th ret 2% CaCl followed by 200 sx C s, 2-7/8" work string. Tagged c set. CHC. WOC. SDFWE. psi - OK. TOH for new bit. St & 2-7/8" tbg. Got through new cmt @ 2204'. Tagged next orr soft cmt from 2230' to 2315'. C .S. TOH w/ tbg, DC's, & bit. -65 followed by 75 sx C + 2% ( SDON. mt, drilled out cmt retainer @ 2	all markders and zone 30.77'. TIH w/ overshot Tallied adds up to pkr sit BP. Set CIBP @ 3100'. TOH. TIH w/ 2nd reta ad 75 sx C + 3/10% P-16 side. Squeeze w/ 50 sx & set @ 1870'. Est 2 B neat. TOH LD 45 jts tbg mt @ 1865' drilling cmt. DON. t cmt ret @ 2120'. Cont t ret @ 2216'. Tested so rc clean @ 2367'. Pulle TIH w/ 5-1/2" cmt retain CaCl mixed @ 14-1/2 pp 215'. Cont drilling good	s pertinent to this wo & 3' extension on 2- ting @ apprx 3555'. TIH w/ 5-1/2" cmt r iner to 2216'. SDON, 7 + 2/10% D-65. TC C + 3/10% D-167 + 2 PM & 1350# rate. P to drill out w/ TOC @ Drilling cmt retainer drilling firm cmt to 21 queeze jobs to 500#. d bit to 2208'. Tested er & set ret @ 2215'. g avg weight. Final	f starting any proposed work. If well is prk.)* 7/8" N-80 work string. SDON etainer to 2951'. DH. TIH w/ 3rd 2/10% D-65 umped 75 sx C + ⊇ 1866'. @ 1870' in 4-1/2 hrs. 50' & hard cmt Drilled through d squeeze to 500#. Squeezed squeeze press
Signed     Title     Production Analyst     Date     10/18/01       (This space for Federal or State office use)     Title     Date	directionally drilled, give s 09-24-01 MIRU WSU. ND 4 Find TOF @ 2475 09-25-01 TIH w/ 4-3/4" bit & Est rate / press @ 09-26-01 Set ret @ 2216'. 1 retainer. Set ret @ followed by 125 ss 3/10% D-167 + 2/ Secure well & SD. 09-29-01 MIRU reverse unit Drilling soft cmt to 10-01-01 Drilling cmt from 1 10-02-01 TIH w/ 4-3/4" bit, It to 2167'. SDON. 10-03-01 Resume drilling ha ret. Drilled good ha Lost down to 325# 10-04-01 Well open to test I 2243' - 2320' w/ 75 2500#. TIH w/ net 10-05-01 Finished TIH. Tag to 500#. 10-08-01 Resume drilling @	subsurface locations and measure tog head & NU BOP. Tallied out i'+ / Latch fish & TOH w/ same & scraper to 3191' on 2-7/8" work 1830# @ 1 BPM. Pumped 50 s; Pumped into ret - had communic; 2 2120'. Est 2 BPM & 1600# rate k C + 2% CaCl followed by 200 s; 10% D-65 followed by 75 sx C + 2 . WOC until 9/28/01. t. TIH w/ 4-3/4" bit, 8 - 3-1/2" DC 1926'. Top perf 1935'. Cmt not 1926' to 2120'. Tested csg to 500 bit sub, 8 - 3-1/2" DC, X-over sub ard cmt to 2204'. Dropped out of ard cmt to 2230'. Cmt stringer & # in 2 min & 300# in 10 min. tank 12 hrs & flowed back 20 BBI 5 sx C + 3/10% D-167 + 2/10% D w 4-3/4" bit, 8 - 3-1/2" DC, & tbg. iged cmt on ret @ 2210'. Drilled c	red and true vertical depths fo w/ 2-3/8" inj tbg - parted @ 20 . Rec all of tbg & loc-set pkr. string. TOH. TIH w/ 5-1/2" Cl ( C + 2% CaCl. TOC @ 2944', tition up to perfs above. Pumpe . No communication up backs ( C Neat. TOH. TIH w/ 4th ret 2% CaCl followed by 200 sx C s, 2-7/8" work string. Tagged c set. CHC. WOC. SDFWE. psi - OK. TOH for new bit. St & 2-7/8" tbg. Got through new cmt @ 2204'. Tagged next orr soft cmt from 2230' to 2315'. C .S. TOH w/ tbg, DC's, & bit. -65 followed by 75 sx C + 2% ( SDON. mt, drilled out cmt retainer @ 2	all markders and zone 30.77'. TIH w/ overshot Tallied adds up to pkr sit BP. Set CIBP @ 3100'. TOH. TIH w/ 2nd reta ad 75 sx C + 3/10% P-16 side. Squeeze w/ 50 sx & set @ 1870'. Est 2 B neat. TOH LD 45 jts tbg mt @ 1865' drilling cmt. DON. t cmt ret @ 2120'. Cont t ret @ 2216'. Tested so rc clean @ 2367'. Pulle TIH w/ 5-1/2" cmt retain CaCl mixed @ 14-1/2 pp 215'. Cont drilling good	s pertinent to this wo & 3' extension on 2- ting @ apprx 3555'. TIH w/ 5-1/2" cmt r iner to 2216'. SDON, 7 + 2/10% D-65. TC C + 3/10% D-167 + 2 PM & 1350# rate. P to drill out w/ TOC @ Drilling cmt retainer drilling firm cmt to 21 queeze jobs to 500#. d bit to 2208'. Tested er & set ret @ 2215'. g avg weight. Final	f starting any proposed work. If well is prk.)* 7/8" N-80 work string. SDON etainer to 2951'. DH. TIH w/ 3rd 2/10% D-65 umped 75 sx C + 2) 1866'. (@ 1870' in 4-1/2 hrs. 50' & hard cmt Drilled through d squeeze to 500#. Squeezed squeeze press
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## Continued – Benson Shugart Waterflood UnitiNO. 8

10-09-01 Cont drilling cmt to 2906'. Tagged up @ 2951' on cmt ret. Drilled through ret & drilled hard cmt to 3001'. Circ clean. Pulled bit to 2970'. SDON.

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- 10-10-01 Drilled cmt from 3001' to 3021'. Tagged & drilled CIBP @ 3100'. Pushed to PBTD @ 3584'. TOH LD work string, bit, & DC's. SDON.
- 10-11-01 TIH w/ loc-set pkr, on / off tool, both nickel plated, (1.43" F), 98 jts 2-3/8" IPC tbg. Set loc-set. Circ well above loc-set w/ 65 BBLS double inhibited pkr fluid. ND BOP. Flanged up tbg head & rat 35 min csg integrity test @ 500# w/ 0% leak off. RDMO WSU. WO roustabout for flow line tie in to begin injection. Loc-set @ 3096.42 - 3100.10 On / off @ 3094.80 - 3096.42 1.43 F in on / off tool





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