SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposal of child as the dependence of the proposal of the prop	Form 3160-5 November 1983) Formerly 9-331)	UNITED STATES PARTMENT OF THE INTER BUREAU OF LAND MANAGEMEN		Budget Bureau No. 1004-0135 Expires August 31, 1985  5. LEASE BEGIGNATION AND SERIAL NO.  NO9-C-14-20-5199	
Other Other Notice of Notice Countries  Test water short of reactive treat water should be directionally direction	SUNDRY (Do not use this form use	NOTICES AND REPORTS  for proposals to drill or to deepen or plug "APPLICATION FOR PERMIT—" for such p	ON WELLS back to a different reservoir. proposals.)		
Union Oil Company of California  3. ADDRESS OF OFFRANCE  P. O. Box 2620 - Casper, WY 82602-2620  1650' FSL & 940' FEL (NE SE)  17. DECEMBER AND SEC. 24, T.25N., R.11W.  18. REVAINOWS (Show whether DF. RT. GR. etc.)  API NO. 30-045-26437  18. REVAINOWS (Show whether DF. RT. GR. etc.)  Check Appropriate Box To Indicate Notice of Notice, Report, or Other Data  **STREET WATER SECTOR**  **PRACTURE TREAT**  **RROTT OF INTENTION TO:  **RETURE TREAT**  **RROTT OF ALTERIA COMPLETE.*  **CHANGE FLANE**  **ANTENDO CARRIELL AND NEW MCXICO  **ANTENDO CARRIELL AND NEW MCXICO  **ANTENDO CARRIELL AND NEW MCXICO  **CHANGE FLANE**  **ANTENDO CARRIELL AND NEW MCXICO  **ANTENDO CARRIELL AND	1. OIL GAS [V]		TECEINAL OF THE PROPERTY OF TH	7. UNIT AGREEMENT NAME	
P. O. Box 2620 - Casper, WY 82602-2620  1-E *  1-E	2. NAME OF OPERATOR		BURE AN 2	<i>J</i> 1	
Sec. 24, T.25N., R.11W.  14. FERMIT NO.  API NO. 30-045-26437  15. ELEVATIONS (Show whether DV. RT. OR. etc.)  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  **Subsection**  **Subsection**  **Subsection**  **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  **Subsection**  **Subsection**  **Subsection**  **Subsection**  **Practure Theat Bod of Received Show Meeting of Notice of Notice, Report, or Other Data  **Subsection**  **Subsect	3. ADDRESS OF OPERATOR P. O. Box 262	0 - Casper. WY 82602-2620	MANGTON AND A 1986		
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API No. 30-045-26437 6574' GR (Ungraded)  10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  WATER SHOT-OFF  PRACTURE TREAT SHOOT OF ACTOLIZE SCHOOL OF ACTOLIZE SHOPP OF CHARMEN  CHANGE PLANE  CHANGE TREATMENT  ABANDONNENT*  REPAIRING WELL  ALTERISM CARINA  ALTERISM CARINA  ALTERISM CARINA  ALTERISM CARINA  ALTERISM CARINA  ABANDONNENT*  REPAIRING WELL  ALTERISM CARINA  ALTERISM CARI	1	SURVEY OR ARMA			
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  **Notice of intention to:**  **TEST WATER SHOT-OFF PRACTURE TREAT SHOOD OR ACTIONES TO BE ADARDON'**  **CHANGE PLANE**  **CONTRETED OF RECOMPLETED OF REALTING ADARDON'**  **CHANGE PLANE**  **CONTRETED OF RECOMPLETED OF REALTING ADARDON'**  **CHANGE PLANE**  **CONTRETED OF RECOMPLETED OF REALTING ADARDON'**  **CONTRETED OF RECOMPLETED OF REALTING ADARDON'**  **CHANGE PLANE**  **CONTRETED OF RECOMPLETED OF REALTING ADAPT AND ADARDON'**  **CHANGE PLANE**  **CONTRETED OF REALTING ADAPT AND ADAPT ADAP	14. PERMIT NO.	15. BLEVATIONS (Show whether DI	P. RT. GR. etc.)		
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Notice of Intention to:  TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE SEPARE WELL (Other)  TO DESCRIPTION TO:  PELL OR ALTER CASING MULTIPLE COMPLETE ABANDON' CHANGE PLANS  (Other)  TO DESCRIPTION OR ACIDIZE SEPARE WELL (Other)  TO DESCRIPTION OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including certinated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and some pertinent to this work).*  6138' T.D.  8-5/8" @ 782' w/530 sx cmt 4-1/2" @ 6135' w/1400 sx cmt  Perfs: 5962-5966', 5982-5986', 5996-6000', 6022-6030', 6048-6051', 6057-6064' (All in Dakota Formation) (Bridge Plug at 6045')  MIRU well service unit on 1-6-86. SITP 950# & C.P. 970#. Bled T.P. & C.P. to zero/20 mins., with dry gas to surface. N.U. BOP. Released packer and ran one joint of 2-3/8" tubing. Tagged fill at 6023'. Reverse circulated sand with 2% KCl water to bridge plug at 6045'. Recovered estimated 5 bbls. oil emulsion and very fine sand. Lost 50 bbls. water while circulating. Retrieved bridge plug and POOH with packer and TIH on 2-3/8" tubing and stung into retainer. Loaded tubing with 13 bbls. 2% KCl water and annulus with 30 bbls. 2% KCl water. Pressured perfs 6048-6051' to 4000#/1/4 hour with no bleed off. POOH with tubing and stinger. P.U. 3-7/8" bit on 4-1/2" casing scraper and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8"	API No. 30-045-	26437 6574' GE	(Ungraded)		
NOTICE OF INTENTION TO:  TEST WATER SHOT-OFF FRACTURE TREAT SHOOT OR ACIDIER ROOT OR ACIDIER REPAIR WELL COther)  TO DESCRIPT WORK, if well is directionally drilled, give subsurface locations and measured and work, if well is directionally drilled, give subsurface locations and measured and the plans  4-1/2" @ 6135' w/1400 sx cmt  Formerly Navajo (124) Well No. 10  8-5/8" @ 782' w/530 sx cmt  4-1/2" @ 6135' w/1400 sx cmt  Formerly Navajo (124) Well No. 10  Bridge Plug at 6045')  MIRU well service unit on 1-6-86. SITP 950# & C.P. 970#. Bled T.P. & C.P. to zero/20 mins., with dry gas to surface. N.U. BOP. Released packer and ran one joint of 2-3/8" tubing. Tagged fill at 6023'. Reverse circulated sand with 2% KCl water to bridge plug at 6045'. Recovered estimated 5 bbls. oil emulsion and very fine sand. Lost 50 bbls. water while circulating. Retrieved bridge plug and POOH with packer and bridge plug. SDON.  SICP 0#/14 hrs. Ran and set cement retainer on wireline and tagged fill at 6052'. Set retainer at 6043'. P.U. stinger and TIH on 2-3/8" tubing and stung into retainer. Loaded tubing with 13 bbls. 2% KCl water and annulus with 30 bbls. 2% KCl water. Pressured perfs 6048-6051' to 4000#/1/4 hour with no bleed off. POOH with tubing and stinger. P.U. 3-7/8" bit on 4-1/2" casing scraper and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8"				F.O. IIONEO	
TEST WATER SHUT-OFF  PRACTURE TREAT SHOOT OR ACIDIEE SEPAR WELL (Other)  17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed with work.)  6138' T.D.  8-5/8" @ 782' w/530 sx cmt  4-1/2" @ 6135' w/1400 sx cmt  WIRU well service unit on 1-6-86. SITP 950# & C.P. 970#. Bled T.P. & C.P. to zero/20 mins., with dry gas to surface. N.U. BOP. Released packer and ran one joint of 2-3/8" tubing. Tagged fill at 6023'. Reverse circulated sand with 2% KCI water to bridge plug and POOH with packer and bridge plug. SDON.  SICP 0#/14 hrs. Ran and set cement retainer on wireline and tagged fill at 6052'. Set retainer at 6043'. P.U. stinger and TH on 2-3/8" tubing and stung into retainer. Loaded tubing with 13 bbls. 2% KCI water and annulus with 30 bbls. 2% KCI water. Pressured perfs 6048-6051' to 4000#/1/4 hour with no bleed off. POOH with tubing and stinger. P.U. 3-7/8" bit on 4-1/2" casing scraper and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8"					
PRACTURE TREAT SHOOT OR ACIDIZE SEPORT VEHICLE (Other)  17. DESCRIBE PROPERED OF COMPLETE OF PERATIONS (Clearly state all pertinent details, and give properties of multiple completion on Well Completion of New York (Other)  18. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give properties of multiple completion on Well Completion of New York (Other)  18. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give including estimated date of starting any pertinent to this work.)*  19. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give including estimated date of starting any near to this work.)*  19. Second or well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sonce pertinent to this work.)*  10. Second or well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sonce pertinent of this work.)*  10. Second or well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sonce pertinent of this work.)*  10. Second or well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sonce pertinent dates.  10. Second or well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sonce pertinent dates.  10. Second or well is directionally drilled.  10. Second or well is directionally drilled.  10. Second or well and true vertical depths for all markers and sonce pertinent details, and give retinent details, and give retinent dates.  10. Second or well and true vertical depths for all markers and sonce pertinent details, and give retinent dates.  10. Second or well and true vertical depths for all markers and sonce pertinent details, and give retinent dates.  10. Second or well and true vertical depths for all markers and sonce pertinent da	NOTICE	OF INTENTION TO:	SUB	SEQUENT REPORT OF:	
SHOOT OR ACIDIZE REPAIR WELL (Other)  (	TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL	
(Other)  (Norm: Report results of multiple completion on Well Completion on Report and Log form.)  (Completion or Recompletion Report and Log form.)  *Completion or Recompletion Report and Log form.)  (Included a substitute of the work.)  *Formerly Navajo (I24) Well No. 10  Drilled in 1985  Perfs: 5962-5966', 5982-5986', 5982-5986', 5996-6000', 6022-6030', 6048-6051', 6057-6064'  (All in Dakota Formation)  (Bridge Plug at 6045')  MIRU well service unit on 1-6-86. SITP 950# & C.P. 970#. Bled T.P. & C.P. to zero/20 mins., with dry gas to surface. N.U. BOP. Released packer and ran one joint of 2-3/8" tubing. Tagged fill at 6023'. Reverse circulated sand with 2% KCl water to bridge plug at 6045'. Recovered estimated 5 bbls. oil emulsion and very fine sand. Lost 50 bbls. water while circulating. Retrieved bridge plug and POOH with packer and bridge plug. SDON.  SICP 0#/14 hrs. Ran and set cement retainer on wireline and tagged fill at 6052'. Set retainer at 6043'. P.U. stinger and TIH on 2-3/8" tubing and stung into retainer. Loaded tubing with 13 bbls. 2% KCl water and annulus with 30 bbls. 2% KCl water. Pressured perfs 6048-6051' to 4000#/1/4 hour with no bleed off. POOH with tubing and stinger. P.U. 3-7/8" bit on 4-1/2" casing scraper and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8"		MULTIPLE COMPLETE	FRACTURE TREATMENT	X ALTERING CASING	
(Other)  (Nors: Report results of multiple completion on Well Completion of Recoupletion Report and Log form.)  71. DENOTED BY PROPERTY OF CONTRACTIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sones pertinent to this work.)*  8-5/8" (2 782' w/530 sx cmt	<u> </u>	_	SHOOTING OR ACIDIZING	ABANDONMENT*	
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6138' T.D.		(STUD ORDER TOWN (Closely and the closely and	' Completion or Reco	mpletion Report and Log form.)	
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6052'. Set retainer at 6043'. P.U. stinger and TIH on 2-3/8" tubing and stung into retainer. Loaded tubing with 13 bbls. 2% KCl water and annulus with 30 bbls. 2% KCl water. Pressured perfs 6048-6051' to 4000#/1/4 hour with no bleed off. POOH with tubing and stinger. P.U. 3-7/8" bit on 4-1/2" casing scraper and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8"	Meet 10 ved 5110	ige plug and room with pac	ker and bridge prug	. SDON.	
into retainer. Loaded tubing with 13 bbls. 2% KCl water and annulus with 30 bbls. 2% KCl water. Pressured perfs 6048-6051' to 4000#/1/4 hour with no bleed off. POOH with tubing and stinger. P.U. 3-7/8" bit on 4-1/2" casing scraper and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8"	SICP 0#/14 hr	s. Ran and set cement	retainer on wireli	ne and tagged fill at	
bbls. 2% KCl water. Pressured perfs 6048-6051' to 4000#/1/4 hour with no bleed off. POOH with tubing and stinger. P.U. 3-7/8" bit on 4-1/2" casing scraper and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8"	6052 . Set r	etainer at 6043'. P.U. s	tinger and TIH on	2-3/8" tubing and stung	
off. POOH with tubing and stinger. P.U. 3-7/8" bit on 4-1/2" casing scraper and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8"	into retainer	. Loaded tubing with 13	bbls. 2% KC1 wate	er and annulus with 30	
and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8"	bbis. 2% KCl	water. Pressured perfs 6	048-6051' to 4000#,	1/4 hour with no bleed	
and TIH, washing from 5920-6043'. Circulated hole clean. POOH with 2-3/8" tubing, laying down 4-1/2" casing scraper and 3-1/2" bit. P.U. 35' x 4-1/2" (Continued on Attached Sheet)	off. POOH wi	th tubing and stinger.	P.U. 3-7/8" bit on	4-1/2" casing scraper	
tubing, laying down 4-1/2" casing scraper and 3-1/2" bit. P.U. 35' $\times$ 4-1/2" (Continued on Attached Sheet)	and Till, wash	ing from 5920-6043'. C	irculated hole cle	an. POOH with 2-3/8"	
	tubing, laying	g down 4-1/2" casing scr (Continued on	aper and 3-1/2" b Attached Sheet)	it. P.U. 35' x 4-1/2"	

FARMINGTON RESOURCE AREA \*See Instructions on Reverse Si

TITLE

18. I hereby certify that

G.

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_\_CONDITIONS OF APPROVAL, IF ANY:

Ladd.

TITLE District Drilling Supt

ACCEPTED FOR RECORD

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Union Oil Company of California Federal Well No. 1-E Basin Dakota Field San Juan Co., New Mexico 1-16-86 Page 2

casing patch on 2-3/8" tubing and RIH, setting patch from 5974-6009'. POOH. P.U. 15' x 4-1/2" casing patch and RIH, setting patch from 5956-5971'. POOH, laying down setting tools. SWION.

SICP 0#/13 hrs. P.U. 2-3/8" notched collar and 2-3/8" S.N. RIH on 2-3/8" tubing and tagged fill at 6041'. Reverse circulated hole clean (recovering sand) to 6043', with 2% KCl. Laid down 5 jts. 2-3/8" tubing. Ran and landed 191 jts. (5908.99') of 2-3/8" tubing at 5920.99' with S.N. at 5888.63'. N.D. BOP. N.U. tree. SWION.

SICP 0#/15 hrs. Unloaded hole with 36,000 SCF of  $N_2$  down tubing at 0-2000-0 psi. Recovered clean to slightly black KCl water. Attempted to foam frac Graneros "A" zone perfs 6022-6030' as follows: Tested casing lines to 4000 psi, 0.K. Tested tubing lines to 6000 psi, 0.K. Pumped 50,000 SCF  $N_2$  down tubing and 700 gals. gelled 2% KCl pad with 10%  $N_2$  down casing with T.P. 0-2030 psi & C.P. 100-980 psi at 10 bpm. Tubing hanger seals failed. Bled T.P. & C.P. to 0#/30 mins. N.D. tree and replaced seals in hanger. N.U. tree.

Fractured Graneros "A" zone perfs 6022-6030' with 32,000 gals. 70% quality foam, consisting of 798,000 SCF of N2, 8,400 gals. gelled 2% KCl with 20 # /1000gals. WG-11, 3#/1000 gals. HYG-3, 10#/1000 gals. K-34, 2 gals./1000 gals. 3-N, 5 gals./1000 gals. Tri-S and breakers with 32,000 # 20-40 sand, as follows: Pumped 14,000 gals. foam pad to perfs at 0-4860-4850-4780# T.P., 0-3430-3010# C.P., at 10 bpm. 1st Stage: Pumped 4000 gals. foam with additives with 1#/gal. 20-40 sand at 4780-4840-4850# T.P. & 3010-2800# C.P. at 10 bpm. Pumped 4000 gals. foam with additives w/2#/gal. sand at 4850-4890# T.P. & 2800-2790# C.P. at 10 bpm. 3rd Stage: Pumped 4000 gals. foam with additives with 3#/gal. 20-40 sand at 4890-4950# T.P. & 2790-3270# C.P. 4th Stage: Pumped 2000 gals. foam with additives with 4#/gal. 20-40 sand at 4950-5050 psi T.P. & 3270-3630# C.P. Flushed down annulus with 2270 gals. gelled water with 10% $N_2$  at 5050 psi T.P. & 2740-3630# C.P. at 10 bpm. ISITP 4650#. ISICP 3200#. 5 mins./T.P. 4050# & C.P. 2590#. 10 mins./T.P. 3880# & C.P. 2410#. mins./T.P. 3760# & C.P. 2290#. 3 hrs./T.P. 3150 & C.P. 1800#. Opened well on 10/64" choke (after 3 hrs.) at 3050# FTP & 1750# SICP. Flowed N $_2$  for 1  $\,$ hr. at 3050-1100 psi FTP & 1750-1100# SICP. Flowed 3 bbls. fluid/1/4 hour with trace of sand to moderately heavy sand. SWI at 6:45 p.m., 1-12-86, with 1600 # SITP & 1200 # SICP. Opened well on 10/64 % choke at 10:00 p.m., 1-12-86. Flowed 86 bbls. water/8 hrs. with trace of oil last 2 hrs. and and trace of sand last hour, on 10/64" to 25/64" choke. FTP 950-400-800-100#. SICP 1200-400#.

Flow tested Graneros "A" perfs 6022-6030', recovering 6 bbls. foamy water with trace of oil/3 hrs. FTP 100-0#. SICP 400-205-290#. Well dead after 3 hrs. Tagged F.L. at 3000'. Swabbed and flowed 8 bbls. foamy water with trace to 4% green oil, cut 1% solids with trace of sand/3-1/2 hrs. F.L. 3000' and scattered. SICP 290-300-80 psi. Well dead after 3-1/2 hrs. with no fluid recovery and very weak gas blow. N.D. tree. N.U. BOP. Laid down blast jts. RIH with 2-3/8" tubing and tagged fill at 5952'. Bled casing to zero. Pumped down tubing with N2 and cleaned out to 5956' (top of first casing patch) and could not work tubing below 5956'. P.U. 2 jts. and SWION.

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SITP 450# & SICP 400#/15-1/2 hrs. Bled tubing and casing to zero/10 mins., recovering gas only. POOH with 2-3/8" tubing. Found 1 notch on 2-3/8" notched collar bent inwards 1/4" with notch on each side bent outwards slightly. P.U. 5 jts. 1.9" OD D.P. w/3.5" mull shoe on bottom (end cut and beveled). RIH on 2-3/8" tubing, setting down at 5959'. Blew tubing and casing down with N2, recovering estimated 1/2 bbl. heavy black to green oil plus 15 bbls. slick water. Attempted to work below 5959'/1/2 hour without success. POOH, laying down 1.9" D.P. mull shoe (point bent inwards 3/8" and with 1/4" tear). P.U. 3.78" O.D. impression block and RIH on sand line. POOH, finding no marks on bottom of block with bottom 1/4" of sides swaged in slightly. SWION.

SICP 525#/15 hrs. Blew C.P. down/10 mins., recovering only gas. P.U. 3.5" O.D. impression block. RIH on 2-3/8" tubing setting down slightly at 5956' then fell through and set down at 5958'. POOH. Impression block had 1" diameter half-circle 3/8" deep on bottom, 1/4" from center of impression block. Sides had two 1/8" deep x 1/8" wide grooves 6" long. SWION.

SICP 400#/18-1/2 hrs. Blew C.P. to 0#/5 mins., recovering gas only. Ran and landed 190 jts. (5857.56') of 2-3/8" tubing at 5869.56' with S.N. at 5837.30'. N.D. BOP. N.U. tree. Released rig on 1-16-85. (Have recovered 115 bbls. of 271 bbl. water load.) Shut well in.