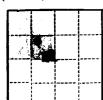
	9-881 a
(Feb	. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office
Lesso No. SF 079354eA
Unit

SUBSCOURT REPORT OF WATER SHUT-OFF. NOTICE OF INTENTION TO CHANGE PLANS. NOTICE OF INTENTION TO READ THE SHUT-OFF. NOTICE OF INTENTION TO REPORT OF REPORT OF MATERIAL CASING. NOTICE OF INTENTION TO REPORT OF REPORT OF MATERIAL CASING. NOTICE OF INTENTION TO PRICE OR REPAIR WELL. NOTICE OF INTENTION TO PRICE OR A LITE CASING. NOTICE OF INTENTION TO PRICE OR A LITE CASING. NOTICE OF INTENTION TO PULL OR A LITE CASING. NOTICE OF INTENTION TO DELLO AR LITE CASING. NOTICE OF INTENTION TO ABANDON WELL. SEPTEMBER 21, 1961 NOTICE OF INTENTION TO ABANDON WELL. SEPTEMBER 21, 1961 NOTICE OF INTENTION TO REPAIR WELL. SUBSCOURT REPORT OF ARCHOLOGY. SUBSCOURT REPORT OF REPORT OF CARDILLING OR REPAIR. SUBSCOURT REPORT OF REPORT OF CARDILLING OR REPAIR. SUBSCOURT REPORT OF REPORT OF REPORT OF PROPORT OF REPORT. NOTICE OF INTENTION TO REPAIR WELL. SUBSCOURT REPORT OF REPORT OF PROPORT OF REPORT OF PROPORT. NOTICE OF INTENTION TO SHOOT OR REPAIR WELL. SUBSCOURT REPORT OF REPORT OF PROPORT OF REPORT OF PROPORT. SUBSCOURT REPORT OF REPORT OF REPORT OF PROPORT. NOTICE OF INTENTION TO SHOOT OR REPAIR WELL. SUBSCOURT REPORT OF REPORT OF PROPORT OF PROPORT. NOTICE OF INTENTION TO SHOOT OR REPAIR WELL. SUBSCOURT REPORT OF REPORT OF PROPORT OF PROPORT. NOTICE OF INTENTION TO SHOOT OR REPAIR. SUBSCOURT REPORT OF REPORT OF PROPORT OF PROPORT. NOTICE OF INTENTION TO SHOOT OR REPAIR. SUBSCOURT REPORT OF REPORT OF PROPORT OF PROPORT. NOTICE OF INTENTION TO SHOOT OF PARTY. NOTICE OF INTENTION	NOTICE OF IN					
Subsequent report of Altering Casing. NOTICE OF INTENTION TO RECORLL OR REPAIR WELL. NOTICE OF INTENTION TO RECORLL OR REPAIR WELL. NOTICE OF INTENTION TO PECHALL OR REPAIR WELL. NOTICE OF INTENTION TO PECHALL OR REPAIR WELL. NOTICE OF INTENTION TO PULL OR ALCER CASING. NOTICE OF INTENTION TO ADADOM WELL. (NIDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) Suptember 21, 1961 NOTICE OF INTENTION TO ADADOM WELL. (NIDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) Suptember 21, 1961 NIVA - 21 24. Morth 1 West DEFN (Check and Sec. No.) (Ch	HOLICE OF IN	TENTION TO DRILL		SUBSEQUEN	REPORT OF WATER SHUT	OFF
Subsequent report of Re-Drilling or Repair Well Subsequent report of Re-Drilling or Repair Subsequent report of Adamponent Subsequent report of Adamponent Subplementary Well History. Supplementary Well History. Su	NOTICE OF IN	TENTION TO CHANGE	LANS	SUBSEQUENT	REPORT OF SHOOTING OF	ACIDIZING
SUBSEQUENT REPORT OF ABANDONMENT. SUBSEQUENT REPORT OF ABANDONMENT. SUPPLEMENTARY WELL HISTORY. (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) Werratz-Federal cell No. 2 is located 1850 ft. from Spline and 1850 ft. from W line of sec. 21 No/A - 21 24. North 1 West MARK (Check and Sec. No.) (Check	NOTICE OF IN	ITENTION TO TEST WAT	ER SHUT-OFF	SUBSEQUENT	REPORT OF ALTERING CA	SING
Supplementary well history. (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) Werntz—Federal (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) Werntz—Federal (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) Werntz—Federal (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) Werntz—Federal (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK HATURE OF REPORT	NOTICE OF IN	TENTION TO RE-DRILL	OR REPAIR WELL	SUBSEQUENT	REPORT OF RE-DRILLING	OR REPAIR
(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) September 21,	HOTICE OF IN	ITENTION TO SHOOT OF	R ACIDIZE	1 11		اسا
September 21, 1961 Werntz-Federal ell No. 2 is located 1850 ft. from S line and 1850 ft. from W line of sec. 21 (Ne/A - 21 24 North 1 West MANN (General Sec. No.) (Top.) (Range) (Meridian) (General Sec. No.) (Top.) (Range) (Meridian) (General Sec. No.) (County or Subdivision) (Ge	NOTICE OF IN	TENTION TO PULL OR	aliter casing	SUPPLEMENT	ARY WELL HISTORY	X .
Werntz-Federal [ell No. 2 is located 1850 ft. from [N] line and 1850 ft. from [W] line of sec. 21 [NV/A - 21	NOTICE OF IN	ITENTION TO ABANDON	WELL	-		
Werntz-Federal ell No. 2 is located 1850 ft. from S line and 1850 ft. from W line of sec. 21		(INDICA	TE ABOVE BY CHECK MAR	K NATURE OF REPOR	T, NOTICE, OR OTHER DATA)
ell No. 2 is located 1850 ft. from S line and 1850 ft. from S line and 1850 ft. from S line of sec. 21				Septe	sber 21,	, 19 61
Windows and Sec. No.) DETAILS OF WORK DETAILS OF WORK Subject well spudded July 5, 1961. 8 5/8" commented at 100' w/60 sacks. T.D. of 3165' reached on July 13, 1961. 4 1/2" new casing commented 6 3163' w/100 sacks. Pictured Cliffs sand 3122-3160. Perforated 9-11-61, 3145-58, w/48 heles. Attempted frac, would not break down 6 3200 p.s.i. Acid 500 galleng. P.B.T.D. 3160. Fraced 3146-58 40,000 sand, 40,000 galleng water. Breke down 6 3000 p.s.i. Treated 6 1800 p.s.i. Injection rate 40 BPM. Ran 1" to 3148. Gleaning out and will shut in for test. Understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Denver, Colorade By Kichard S. Bunt Title Mgr.s. Land and Explorations	We	ratz-Federal				
Welles and Sec. No.) (Typ.) (Range)	ell No.	is location	ted 1850 ft. from	$m = {S \atop S}$ line and	d _1850ft. from	$\left\{\begin{array}{l} \mathbf{X} \\ \mathbf{Y} \end{array}\right\}$ line of sec. 21
me elevation of the derrick floor above sea level is .7302 ft. DETAILS OF WORK ate names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicationally jobs, amending points, and all other important proposed work) Subject well spudded July 5, 1961. 8 5/8" comented at 100° w/60 sacks. T.D. of 3165° reached on July 13, 1961. 4 1/2" new casing comented 6 3163° w/100 sacks. Pictured Chiffs sand 3122-3160. Perferated 9-11-61, 3145-58, w/48 heles. Attempted frac, would not break down 0 320° p.s.i. Acid 500 gallens. P.B.T.D. 3160. Fraced 3146-58 40,000° sand, 40,000 gallens water. Broke down 0 3000 p.s.i. Treated 0 1500 p.s.i. Injection rate 40 SPH. Ran 1" to 3148. Gleaning out and will shut in for test. Junderstand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Ompany SMAR-AIAN OIL COMPANY Iddress 1402 Benver U.S. National Center Benver, Colorado SMAR-AIAN OIL COMPANY Title Mgr., Land and Explorations						The second secon
(Selection of the derrick floor above sea level is .7302 ft. DETAILS OF WORK ate names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicates inhering jobs, smeaning points, and all other important proposed work) Subject well spudded July 5, 1961. 8 5/8" commented at 100' w/60 sacks. T.D. of 3165' reached on July 13, 1961. 4 1/2" new casing commented 0 3163' w/100 sacks. Pictured Cliffs sand 3122-3160. Perforated 9-11-61, 3145-59, w/48 heles. Attempted frac, would not break down 0 320C p.s.i. Acid 500 gallons. P.B.T.B. 3160. Fraced 3146-58 40,000 sand, 40,000 gallons water. Brake down 0 3000 p.s.i. Treated 0 1800 p.s.i. Injection rate 40 BPM. Ran 1" to 3148. Cleaning out and will shut in for test. Junderstand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Denver, Colorado By Kichard S. Bunt Title Mgr., Land and Explorations Title Mgr., Land and Explorations	(1/4 Sec.	and Sec. No.)	(Twp.)	(Range)	(Meridian)	
DETAILS OF WORK ate names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicated his dring points, and all other important proposed casings; indicated his dring jobs, smean ing points, and all other important proposed work) Subject well speaked July 5, 1961. 8 5/8" commented at 100° w/60 sacks. T.D. of 3165° reached on July 13, 1961. 4 1/2" new casing commented 0 3163° w/100 sacks. Pictured Gliffs sand 3122-3160. Perforated 9-11-61, 3145-58, w/48 heles. Attempted frac, would not break down 0 320° p.s.i. Acid 500 gallens. P.B.T.B. 3160. Fraced 3146-58 40,000 sand, 40,000 gallens water. Breke down 0 3000 p.s.i. Treated 0 1800 p.s.i. Injection rate 40 BPM. Ram 1" to 3148. Gleaning out and will shut in for test. Junderstand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Ompany SMAR-ALAN OIL CONPANY ddress 1402 Benver U.S. National Center By Mar. Land and Explorations Title Mgr., Land and Explorations					Nev X	esci co
Denver, Colorado By Richard S. Hunt Title Mgr., Land and Explorations						
Denver, Colorado By Triband Title March Title March and Explorations	f.D. of 3163' v/ 3145-58, 4eid 500 rallons	3165' reache /100 sacks. , w/48 holes.) gallens. P vater. Brek	d on July 13, Pictured Cliff Attempted fr .B.T.B. 3160. e down @ 3000	1961. 4 1/ 's sand 3122 'ac, weeld m Fraced 314 p.s.i. Tre	z" new casing c -3160. Perfere et break down t 6-58 40,000# se ated 0 1800 p.s	emented 0 ted 9-11-61, 3200 p.s.i. md, 40,000 .i. Injection
	T.D. of 3163° w 3145-58; Acid 500 gallens rate 40	3165' reache 100 sacks. , w/48 heles.) gallens. P water. Brek BPM. Ran 1"	d on July 13, Pictured Cliff Attempted fr .B.T.B. 3160. e down 6 3000 to 3148. Cle	1961. 4 1/2 sand 3122 rac, would n Fraced 314 y.s.i. Tre aning cut a	Z" new casing c -3160. Perfers et break down 6 6-58 40,000f se ated 6 1800 p.s nd will shut in	emented 0 ted 9-11-61, 3200 p.s.i. md, 40,000 .i. Injection for test.
	T.D. of 3163° w 3145-58; Acid 500 gallens rate 40	3165' reache /100 sacks. , w/48 heles.) gallens. P water. Brek BPM. Ram 1" d that this plan of work SMAR-ALAN 0 1402 Denver	d en July 13, Pictured Cliff Attempted fr .B.T.B. 3160. e down 6 3000 to 3148. Clo must receive approval in IL COMPANY U.S. National	1961. 4 1/2 sand 3122 rac, would n Fraced 314 y.s.i. Tre aning cut a	Z" new casing c -3160. Perfers et break down 6 6-58 40,000f se ated 6 1800 p.s nd will shut in	emented 0 ted 9-11-61, 3200 p.s.i. md, 40,000 .i. Injection for test.
	T.D. of 3163' w/ 3145-58; Acid 500 gallens rate 40	3165' reache /100 sacks. , w/48 heles.) gallens. P water. Brek BPM. Ram 1" d that this plan of work SMAR-ALAN 0 1402 Denver	d en July 13, Pictured Cliff Attempted fr .B.T.B. 3160. e down 6 3000 to 3148. Clo must receive approval in IL COMPANY U.S. National	1961. 4 1/2 sand 3122 ac, would m Fraced 314 y.s.i. Tre saning out a n writing by the Genter	3 new casing c 3160. Perfera et break down 6 6-58 40,000 se ated 0 1800 p.s ated 0 1800 p.s ated will shut in Send, approva Richard S. H	emented 0 ted 9-11-61, 3200 p.s.i. md, 40,000 .i. Injection for test.