DATE DRIVENE KEPORT

PROSPECT Howl	and YEAR 197	74		
Bridge - Market Colonian - National Association of the Colonian - National Association - Na	WELL NO. 2 WELL LOC	A STATE OF THE PARTY OF THE PAR	COUNTY Sewar	d STATE K
A	SCRIPTION Sec. 11-35-33		CODE	
	rporation	ELEVATION:	GR_	
CONTRACTOR Zenith D	rilling		DFKB	
DEVELOPMENT WELL XX OWNERSHIP 1974 Pro	PROSPECT TEST WELL	NOTIFY O	klahoma City Offic	e
	evelopment well			
IDENTIFICATION De	everopment werr		1	
rops:				
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MOVING IN & RIGGING	UPAugust 30, 1978	SPUD August	30, 1978	
SET <u>. 8-5/8</u> @_	1505' w/ 650 sx Hal 6:45 PM 8-	liburton light, 2% C 31-78.	C + 150 sx Class H	1, 3% CC. P.I
DATE	DEPTH	DST		
3/31/78	Drill 12¼ hole to 1254'.	Total mud cost \$217	.90.	
9/1/78	2515 Drilling. Drill p Total mud cost \$477	lug at 7 AM, new hole	e at 10 AM.	
9/2/78	3200 Drilling. Bit #1, Chlorides 4400. Daily mud cost \$1127 Total mud cost \$1605	F-2, 1694 in 39½ ho	urs. Vis 33, Wt 8	.9, Filler 4#
9/3/78	3845 Drilling. Bit #1, Chlorides 8000. Daily mud cost \$1346 Total mud cost \$2951	F-2, 2339 in 62 hou	rs. Vis 35, Wt 9.	l, Filler 6#,
9/5/78	4240 Drilling. Bit #1 F-3, made 215' in 9-3/4 Daily mud cost \$1481 Total mud cost \$4432	made 2519' in 71-3/4 hours. Vis 34, Wt 8	hours, out at 402 1.9, Filler 6#, Ch	25. Bit #2, lorides 2200.
9/6/78	4775 Bit #2 made 750' i WL 36. Drill 22¼ hours, Daily mud cost \$1386 Total mud cost \$5819	n 32 hours. Vis 38, Rig and jet 1-3/4 h	Wt 9, Filler 8#, ours.	Chlorides 300
5,1/78	5210 Drilling. Bit #2 8#, Chlorides 2800, WL 1 Daily mud cost \$1319 Total mud cost \$7935	made 1185' in 51-3/4 2.8. 21 hours drill	hours. Vis 39, Ving, 3 hours work	Vt 8.9, Filler on rig.

ROSPECT Howland	YEAR 1974				
	ELL NO WELL LOCATION		NW COUNTY S	eward STATE_	K.S
	PTION Sec. 11-35-33		CODE		
ATOR Beren Corpor		ELEV	ATION: GRDF		
EOLOGIST			KB		
EVELOPMENT WELL XX PROS		NOTI	FY Oklahoma City O	ffice	
DENTIFICATION Devel	opment well	-			
Wt 9, Daily	Drilling. Bit #2 out 5210, WL 8.4, Chlorides 2210. y mud cost \$ 894 1 mud cost \$8828	½°. Bi	t #3, F-3, 330' in 17½	hours. Vis	47,
	Drilling. Bit #3 420' in 2	3 hours.	Vis 48, Wt 9, Filler	6#, Chloride	S
Dail	, WL 8.9. y mud cost \$ 198 D 1 mud cost \$9027	ST #1	5513 - 5540 Rec 15' drilling mud	(no pressures)
Chlo Dail	Circulate for samples. Bit orides 2210, WL 9.4. y mud cost 1,071 11 mud cost \$10,098	#3 880'	in 44½ hours. Vis 4	8, Wt 9, Fille	er 6#
2140	Drilling. Bit #3 955' in 5			r 6#, Chloride	25
	y mud cost 469 [6075 - 6090 Rec 20' drilling mud Initial hydrostat Initial flow Initial shut in Final flow Final shut in Final hydrostat	2876 28-28 316 28-28 1722 2876	
with	Trip in hole with bit. Bith Bit #4. Wt 9, Vis 50, Fillo al mud cost \$10,938	t #3 out er 6#, Wl	at 6215, 1005' in 53½ 9.6, Chlorides 2200.	hours. Go i	n hole
		DST #3	6137 - 6215 Rec 20' drilling mud Initial hydrostat Initial flow Initial shut in Final flow Final shut in	2894 32-32 256 32-32 638	
	Wt 9.1, Vis 65, Filler 7#, al mud cost \$11,629	WL 9.6,	Chlorides 2000.		
for Fil	T.D. at 9:45 AM on 13th. casing. Bit #4 out of hole ler 7#, WL 9.6, Chlorides 200 al mud cost \$11,629	at 6525,	hole to circulate and cut 310' 24¼ hours.	condition hol Wt 9.1, Vis 6	e 55,
652 200	aring down. Ran 163 joints no 21 K.B. Cement with 50 sx 50 0 sx 50-50 poz with 18% salt, % salt, .75% CFR-2. P.D. 12:	-50 poz v 12½# gil	vith 10% salt, 12% gel Isonite/sx, .5% CFR-2	, .5% CFR-2 +	

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SPEC	A distance of the same of the published the	WELL NO. WELL LOCATION C. N. A. W.
		WELL NO. WELL LOCATION C NE NW COUNTY Seward STATE KS
-A.		DESCRIPTION Sec. 11-35-33 CODE
TC.	TOR Zenit	Corporation ELEVATION: GR DF
OLOGI	ST WENT WELL	KB
NERSH		X PROSPECT TEST WELL NOTIFY Oklahoma City Office

ENTIE	FICATION	Development well
	10/11/78	Move in completion rig. Install well head. Ran 3-3/4" bit and 4-1/2" casing scraper on 2-3/8" tubing to 6312'. Circulate hole with 2% KCl water. Pressured casing to 2500# for 30 minutes. Held tight. Pull tubing and bit.
	10/12/78	Ran 193 joints 2-3/8" tubing, seating nipple, and Model "R" packer. Set packe at 6003'. Swab tubing down to 4000'. Perf with tubing gun 6074-6082, 16 hole total. Swab tubing dry. Gas flowing to surface TSTM with well remaining dry. Shut in at 5 PM 10-11.
(10/13/78	SITP 980# 7 AM 10-12-78. Bled down. Ran swab. Recovered ½ bbl fluid, trace of oil. Acidize down tubing with 1000 gallons 15% MCA acid with 16 ball sealers and 600 SCF Nitrogen per bbl in acid and flush. Formation broke 2900-2200#. Ball action to 2400#. Maximum treating pressure 2900#, average treating pressure 2300#, initial shut in 1500#, to 1350# in 1 minute. Average rate 5 BPM with nitrogen. 48 bbls load to recover. Blew back to pit with gas to surface in 10 minutes. Continue to swab and flow balance of day. At 7 AM 10-13 gauged 159 MCFD on 48/64" choke. FTP 80#. Specific gravity 1.084, pH 4.8, chlorides 61,100.
	10/14/78	Continue flowing and testing. Stabilized at 159 MCFD. Pull 2-3/8 and Model "R" packer out of hole and ready to frac at 5 PM. Shut in for night.
	10/15/78	Frac down casing with 20,000 gallons 70 quality foam and 15,000# 20-40 sand. Maximum treating pressure 2850#, average treating pressure 2700#, ISIP 2200#, 5 minute shut in pressure 1800#, 10 minute shut in pressure 1600#, 15 minute shut in pressure 1500#, average injection rate 20 BPM. Used 480,000 SCF Nitrogen. 175 bbls load to recover. Left shut in 2 hours. Open to pit, gas to surface 14 minutes. After 3 hours install orifice tester. Gauge 1064 MCFD with 325# on casing, 48/64" choke. Flow to pit remainder of day and night. At 7 AM 10-15 making 754 MCFD, 180# on casing, 32/64" choke.
	10/16/78	Flow 9 hours. Shut in at 4 PM. Flow rate 700 MCFD, 190# on casing, 32/64 choke 10-15-78.
(10/17/78	SICP at 7 AM 10-16 was 400# after 15½ hours. Blew well down, killed well with KCl water. Started running tubing. Ran 196 joints 2-3/8" EUE tubing with Baker tension anchor-catcher, seating nipple, perf nipple, and mud anchor. Total length of string 6092.69', set at 6100'. Remove blowout preventer. Install tree. Run swab. Found fluid level at 4600'. Made 1 run with swab. Well kicked off. Flowed to pit. Install orifice tester at 4 PM. Flowed until 7 AM 10-17, rate 542 MCFD, 32/64 choke, FCP 260#, FTP 120#. Making ligh mist.
	10/18/78	24 hour SIP at 8 AM 10-18 was 375# on casing and 400# on tubing.