

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY

508 East Murdock,

Wichita, Kansas

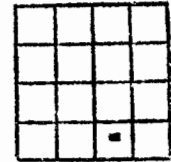
13-34-37W

Company- SOCONY MOBIL OIL COMPANY
 Farm- Cunningham Est. No. 1
 Farm

SEC. 13 T. 34 R. 37W
 C SW SE

Total Depth. 8714'
 Comm. 4-29-64 Comp. 5-7-64
 Shot or Treated.
 Contractor. R.W. Rine Drilling Co.
 Issued. 8-22-64

County Stevens
 KANSAS



Elevation. 3149' KB

CASING:
 8 5/8" 1786' cem w/800 sx.
 5 1/2" 6850' cem w/1450 sx.
 DV tool @ 5760 & 3308' cem w/total of 1050 sx.

Production. 131 BOPD / 36,000
 CFG

Figures Indicate Bottom of Formations.

surface sand	900	Morrow	5954
sand & Anhydrite	1786	Chester	6374
Anhydrite	2051	St. Geneva	6590
redbed & Anhydrite	2484	St. Louis	6750
Anhydrite & lime	2775	Sperg	6970
lime	3011	Warsaw	7200
lime & Dolomite	3180	Osage	7317
Dolomite	3309	Kinderhook	7510
lime & chert	3486	Viola	7665
lime	3669	Simpson	7863
lime & chalk strks.	3840	Arbuckle	7905
lime & chalk	3995	Reagan	8659
lime	4623	Weaken Granite	8679
lime & chalky lime	4752	Solid Granite	8688
lime	5000		
lime & shale	5167		
lime	5420		
shale	5649		
shale & lime	5926		
shale	6048		
shale & sand	6306		
shale	6350		
lime	7044		
lime & shale	7100		
lime	7141		
lime, shale, dolomite, chert	7246	TOPS: LOG	
Dolomite, chert	7458	Stone Corral (sample)	1726
Dolomite	7543	Base Stone Corral	1796
lime	7568	Wellington	2332
Dolomite & lime	7630	Chase	2740
Sand & Dolomite	7665	Winfield	2800
lime, sand, shale	7695	Council Grove	3040
Dolomite, chert	7706	Admire	3295
Dolomite	7761	Wabaunsee	3448
lime	8054	Shawnee	3822
Dolomite	8139	Heebner	4286
lime & Dolomite	8181	Lansing	4350
Dolomite	8337	Kansas City	4756
Dolomite, chert	8619	Marmaton	5157
Dolomite & sand	8681	Cherokee	5451
Granite wash	8687		
Granite	8709		
Granite ?	8714		
Total Depth			

6-349W Workover Gas Well Test Best Test
 MAP NO. SEC 13-34S-37W
 STATE Kansas COUNTY Stevens loc C SW SE
 OPER Socony Mobil Oil Co., Inc., Wichita, Kansas
 WELL #1 FARM Cunningham Estate (dinc. well)
 POOL Geol. WC Hugofon Gas Area Rev gr. 3146
 CCNT Rine Drlg. Tools geol. Hugh Mottern & Phillip Stark
 INT. 7800' Arb test * 3 miles No. of Hanke (Mrw gas) Pool
 FR 4/28/64 SPUD 4/29/64 COMP 6/30/64
 TD 8714 FM Granite PBTD 6825

PRODUCING FM. FROM TO PER W/HOLES TREATMENT
 St Louis - Miss. 6758 - 70 48 250A
 I.P. State Pot; Flow 131 BO/24 hrs (13/64") plus
 36,000 Cfgpd (Gr 44.8 deg)

8" @ 1786 w/800 sx.
 5 1/2" @ 6850 w/1450 sx.

36,000 Cfgpd (Gr 44.8 deg)

Spl Tops:	Hb	4289	St G	6626
St Cor	Lans	4382	St L	6734 -3585
Win	Kc	4766	Sperg	6954
CG	Marm	5164 -2015	War	7085
Ad	Chero	5403	Osage	7270
Wab	Morr	5959	Kh	7463
Shaw	Ches	6357	Vi	7666
			Cont'd on back	IP

Data Inc.

DF Log Tops:						Sp. tops cont'd
B/SC	1796	f1350	Chest	6374	-3228	Sp. 7865
Well	2332	f 814	St G	6590	-3444	Arb 7905
Chase	2740	f 406	St L	6754	-3608	Reag 8637
Win	2800	f 346	Sparg(?)	6970	-3824	Wea Grt 8680
CG	3040	f 106	War	7200	-4054	Grt 8688
Ad	3295	- 149	Osage	7317	-4171	RTD 8709
Wab	3448	- 302	Kh	7510	-4364	
Shaw	3822	- 676	Vi	7665	-4519	
Hb	4286	-1140	Simp	7863	-4717	
Lans	4350	-1204	Arb	7905	-4759	
Kc	4756	-1610	Reag	8659	-5513	
Marm	5157	-2011	Grt	8679	-5533	
Chero	5451	-2305	LTD	8714	-5568	
Mrw	5954	-2808				
<p>DST #1 (Marm) 5264-92, Op 105", GTS/5", TSTM/10", Ga 240,000 Cfgpd/45", Ga 310,000 Cfgpd/90", R 10' WCM, 280' MCO & OCM ISIP 1633#/30", IFP 37#, FFP 111#, FSIP 1615#/105" DST #2 (Chest) 6309-50, Op 45", FB/45", R 40' M, ISIP 343#/30" IFP 39#, FFP 39#, FSIP 1676#/90" DST #3 (Chest) 6522-56, Op 30", no blo, R 5' M, ISIP 60#/30"</p>						

* Co. pick
 kind sand is indicated
 from amount 7605-7669
 on 7665-5

+ Salem 6673

6-349		SHEET NO. 2		SEC. 13-34S-37W	
STATE	COUNTY	Stevens		LOC C SW SE	
OPER.	Socony Mobil Co., Inc., Wichita, Kansas		FT/FR	FT/FR	LINE
WELL #	FARM	Cunningham Estate	FT/FR	FT/FR	LINE
IFP #1	IFP 41#	FFP 41#, FSIP 41#/60"			
DST #4	(St G)	6606-36, VWB, Op 50", R 10' M, ISIP 140#/30"			
IFP #23	IFP 23#	FFP 23#, FSIP 578#/90"			
DST #5	(St Lou)	6720-44, Op 42", R 90' SGCM, ISIP 330#/30"			
IFP #60	IFP 60#	FFP 60#, FSIP 333#/60"			
Ø #1	(St Lou)	6744-74, Rec. 30'; 15' limestone, gray, dense, 15' limestone, oolitic, porous w/oil odor, fluor & stain, show free oil on core			
DST #6	(St Lou)	6752-74, Op 37", GB, GTS/5", Max Ga 120,000 Cfgpd & declined to 60,000 (while pulling DST, hole unloaded over crown block) Rec 6344' GC Oil (Gr 42.4 deg) plus 160' OGCM filtrate wtr, ISIP 2105#/30", IFP 1657#, FFP 2056#, FSIP 2105#/60"			
Ø #2	(St Lou)	6774-6806, R 32'; 1' limestone oolite (as in Ø #1) 22' limestone med, xln, dense occas. vert frac's w/occas bleed. oil from frac, 9' limestone oolite, fine grained good inter-oolite, poro w/good oil odor, stain & fluor			
DST #7	(St Lou)	6775-6806, Op 40", SB, Died, R 4000' Flu (270' GCMCSW plus 3730' SW) ISIP 2116#/30", IFP 1652#, FFP 2107#			

FSIP 2153#/75"
 DST #8 (Vi) 7668-7755, Op 2 hrs, No Blo, R 30' VSGCM, SWC, 75'
 SW, NSO, ISIP 2572#/30", IFP 42#, FFP 100#, FSIP 2329#/60"
 DST #9 (Vi) 7770-7838, Op 1 hr., R 10' M, ISIP 1648#/30", IFP 42#
 FFP 42#, FSIP 1112#/60" C #3 (Vi) 7838-61
 Rec. 23'; 6' tan, fine med Xln, limestone w/spotted
 fluor, 4' brown, fn, xln, argill, dolomite, 8' tan, fn, med
 xln dolo to sandy dolo, 5' brown, fn xln argill. dolo w/spotted
 asphaltic residue
 C #4 (Grt) 8705-09, Rec. 3' & 7"; all red granite, fractured
 RTD 8709 (Grt), SJ Log
 DST #10 (Reag) 8640-8710, Op 5", SI/30", Op 2 hrs (tool failed to
 close after 1 hr. flow period WB, Rec 460' SMCSW,
 ISIP 2988#/30", IFP 107#, FFP 189#, FSIP 230#/60" (not closed)
 5 1/2" @ 6850 w/1450 sx., MICT, CO 6825 (Ld
 80 bbl Diesel oil, Pf 48/6758-70 (St. L), Set pkr @ 6754, Swb 11
 BLO/90", Swb 3 BNO/5 1/2 hrs, Swb 1/2 BOPH/last 3 hrs, w/SG, (PBT
 6825'), Treat w/250A (15%), F1 400' OB, \$ 25 BLO / 5 BAW/6 1/2 hrs,
 Flo 73 BNO/13 1/2 hrs (12/64")-FTP 100-120#, (Flo 4 BNO/last hr
 (12/64"), Flo 75 BNO/24 hrs on 11/64" ch, TP 90#, Sep Pr 25#,
 (Gr. 48.1) plus 2% wtr plus tr BS plus 24,000 Cfgpd/GOR 320-1
 State Pot (St L) F131 BNO/24 hrs, 13/64" FIP 98# / 36,000 Cfgpd
 GOR 275-1, Gr. 44-8 deg., St Lou 6758-70, COMPLETE (6718764) wtted.