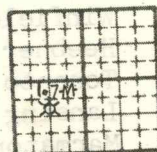


11-232W # MAP NO. K-84 SEC. 28-33S-32W
 STATE Kans COUNTY Seward LOC. App C S/2 N/2 SW
 OPER. Cities Service Oil Co. - Liberal, Ks. FT/FR _____ LINE _____
 WELL 1 FARM Salley "F" FT/FR _____ LINE _____
 L Arkalon West ELEV. 2609 GR. 2619 DF 2621 KB _____
 L Rine Drlg. GEOL. No Geol
 CONT. 6300' Gas Test
 CO. 9-10-64 SPUD 9-16-64 COMP. 11-17-64
 INT. 6120 FM. St Lou PBTD. 6054
 TD. Morrow 5662-5696 88 4000A & Frac
 COMP. RECORD Chester 5976-83 28 1000A & Frac
 COF: 1,725,000 Cfgpd (Commingle Gas)



Data Inc.

8 5/8" @1432 w/750 sx. 5 1/2" @6119 w/175 sx.
 (KB Log) DST #1 (Mrw) 5675-5684, SI/3", Op. 30",
 Winf 2562 # 59 WB/30", R 10' M, No ISIP, IFP 72#, FFP
 Hb 4166 -1545 72#, FSIP 72#/30"
 Tor 4192 -1571 DST #2 (Chest) 5984-85, Op 40", GB, R
 Lans 4324 -1703 30' M, No ISIP, IFP 66#, FFP 66#, FSIP
 Marm 4992 -2371 1710#/25", RTD 6120, Log,
 Mrw 5518 -2897 DST #3 (Mrw) 5664-90 (Str Pkr), Op 1 hr,
 Mrw sd 5660 -3039 WB, R 20' M, No ISIP, IFP 24#, FFP 24#,
 FSIP 63#/30"
 Cont Below)

B/Mrw sd 5682 -3061 WLT #1 (Chest) 5979-80, Op 1 hr, R 9.7
 Chest 5696 -3075 CF gas & 1.2 CF shot gas & 700 cc wtr
 St Gen 6028 -3407 (Less than 1% form wtr) w/scum oil,
 St Lou 6094 -3473 ISIP 2825#/60", SP 225#, FSIP 2500#/60"
 LTD 6120 -3499 WLT #2 (Mrw) 5689-91 1/2 - failed
 WLT #3 (Mrw) 5663-65 1/2, Op 1 1/2 hr, R 1.12
 CF shot gas, no flu, ISIP less than 60#/60", SP less than 100#,
 FSIP less than 100#/60", 5 1/2" @6119 w/175 sx., CO 6086, GRN Log,
 Perf 28/5976-83 (Chest), no show nat, 250A, \$ 1d, Ga 139,000
 Cfgpd (no oil), Frac 15,000 GA (15%) x 15,000# sd x 259,000 CF
 CO-2 x 145 BW, Flow 1d, Ga 2,080,000 Cfgpd/3 hrs (wet), Ga
 1,260,000 Cfgpd & 15 GW/1 hr (w/tr oil), Clor 67,000 PPM, Ran
 tracer fluid, Plg @5750, Perf 32/ 5688-96 (B/Mrw), no sho nat,
 1500A, \$ 1d, \$ 2 GW/1 hr, no sho, 1500A (15%), \$ 1d, \$ 3 GW/1 hr,
 1500A sho gas, Perf 56/5662-76 (Mrw), SSG, TSTM, nat, 1000A (15%),
 \$ part 1d w/sho gas, 500A (15%) @5662-96, \$ part 1d, Frac
 15,000 Gal Gel wtr x 15,000# sd, \$ 8 1/2 BW/12 hrs, Gas Ga 62,000
 Cfgpd/60 hrs, SIP 1200#, SI, CO 6054 PBTD, \$ 48 BLW w/tr oil &
 gas, Ga 339,000 Cfgpd/24 hrs, 2" tbg to 5982 w/pkr @5628, 1500A,
 5662-96 (Mrw) and 5976-83 (Chest) Ga 570,000 Cfgpd & 1 BW/tr oil,
 11 hr Clor 57,100 PPM, SITP 1375#, 3 hr BD Ga 1,360,000 Cfgpd,
 SIP 1490#/27 hrs, Ga 390,000 Cfgpd & 1 BWPH w/tr oil/6 1/2 hrs,

SIP 1520#/45 hrs, CO 6054 PBTB, run tbq;
COF = 1,725 MCF, SICP 1515#/80 hrs., Commingled Chester 5976-83
and Morrow 5688-96 and 5662-76.

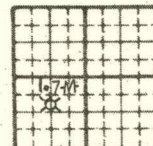
LIBERAL ELECTRIC LOG TOPS

2621 KB

Winfield 2562 (+59)
Heebner 4166 (-1545)
Toronto 4192 (-1571)
Lansing 4324 (-1703)
Marmaton 4992 (-2371)
Morrow 5518 (-2897)
"S2" 5660 (-3039) 9/22 / 1,725 MCF
Chester 5696 (-3075)
Ste. Gen 6028 (-3407)
St. Louis 6094 (-3473)
TD 6120

Ch 52 5974-3353 8/12 1260 M + L d

11-232W / MAP NO. _____ SEC. 28-33S-32W
 TE Kans COUNTY Seward LOC App C S/2 N/2 SW
 OPER. Cities Service Oil Co. - Liberal, Ks. FT/FR _____ LINE
 WELL 1 FARM Salley "F" FT/FR _____ LINE
 POOL Arkalon West ELEV. 2609 GR. 2619 DF 2621 KB
 CONT Rine Drlg. GEOL. No Geol
 6300' Gas Test
 F.R. 9-10-64 SPUD 9-16-64 COMP. 11-17-64
 TD. 6120 FM. St Lou PBTD. 6054
 COMP. RECORD
 Morrow 5662-5696 88 4000A & Frac
 Chester 5976-83 28 1000A & Frac
 COF: 1,725,000 Cfgpd (Commingled Gas)



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 1 hr Clor 57,100 PPM, SITP 1375#, 3 hr BD Ga 1,360,000 Cfgpd,
 SIP 1490#/27 hrs, Ga 390,000 Cfgpd & 1 BWPH w/tr oil/6 1/2 hrs,

11-232W

SHEET NO. 2

SEC. 28-33S-32W

LOC. App C S/2 N/2 SW

STATE Kans COUNTY Seward

OPER. Cities Service Oil Co. - Liberal, Ks.

FT/FR LINE

WELL 1 FARM Salley "F"

FT/FR LINE

SIP 1520#/45hrs,, CO 6054 PBD, Run tbg, Cal OF 1,725,000 Cfgpd,

ICP 1515#/80 hrs (Commingled) Chest 5976-83 and Mrw 5688-96 and

5662-76 - COMPLETED (11-10-64)