DINEH - BI - KEYAH OIL FIELD

APACHE COUNTY, ARIZONA

Steven L. Rauzi
Oil & Gas Program Administrator

Arizona Geological Survey Publication OG-15
(OGCC Well Location Map P-2)

January 2008

WELL AND FIELD DATA

Discovery Well: Kerr-McGee Oil Industries, Inc., 1 Navajo, T. 36 N., R. 30 E., sec. 32; completed February, 1967, after 20-month temporary abandonment (State Oil & Gas Conservation Commission Permit 303(377))

Current Operator: Nacogdoches Oil & Gas, Nacogdoches, Texas

Oil-Productive Reservoirs: Oligocene syenite sills intruded into Pennsylvanian Hermosa Formation

Helium-Productive Reservoirs: Devonian McCracken Sandstone (#385 and #422) and Pennsylvanian Hermosa Formation (#385)

Cumulative Oil Production to January 1, 2008 18,491,220 barrels

TABULATION

OGCC No.: Arizona Oil & Gas Conservation Commission Permit Number (reference number used on map)

Location: Township, Range, Section, and quarter-quarter (40-acre) location within section

Well Status as of December 31, 2007 D, dry; H, helium; HS, helium shut-in; O, oil; OS, oil shut-in; OP, oil plugged; WD, water disposal (P) plugged

Elevation: Derrick floor (DF) or kelly bushing (KB) altitude in feet above mean sea level

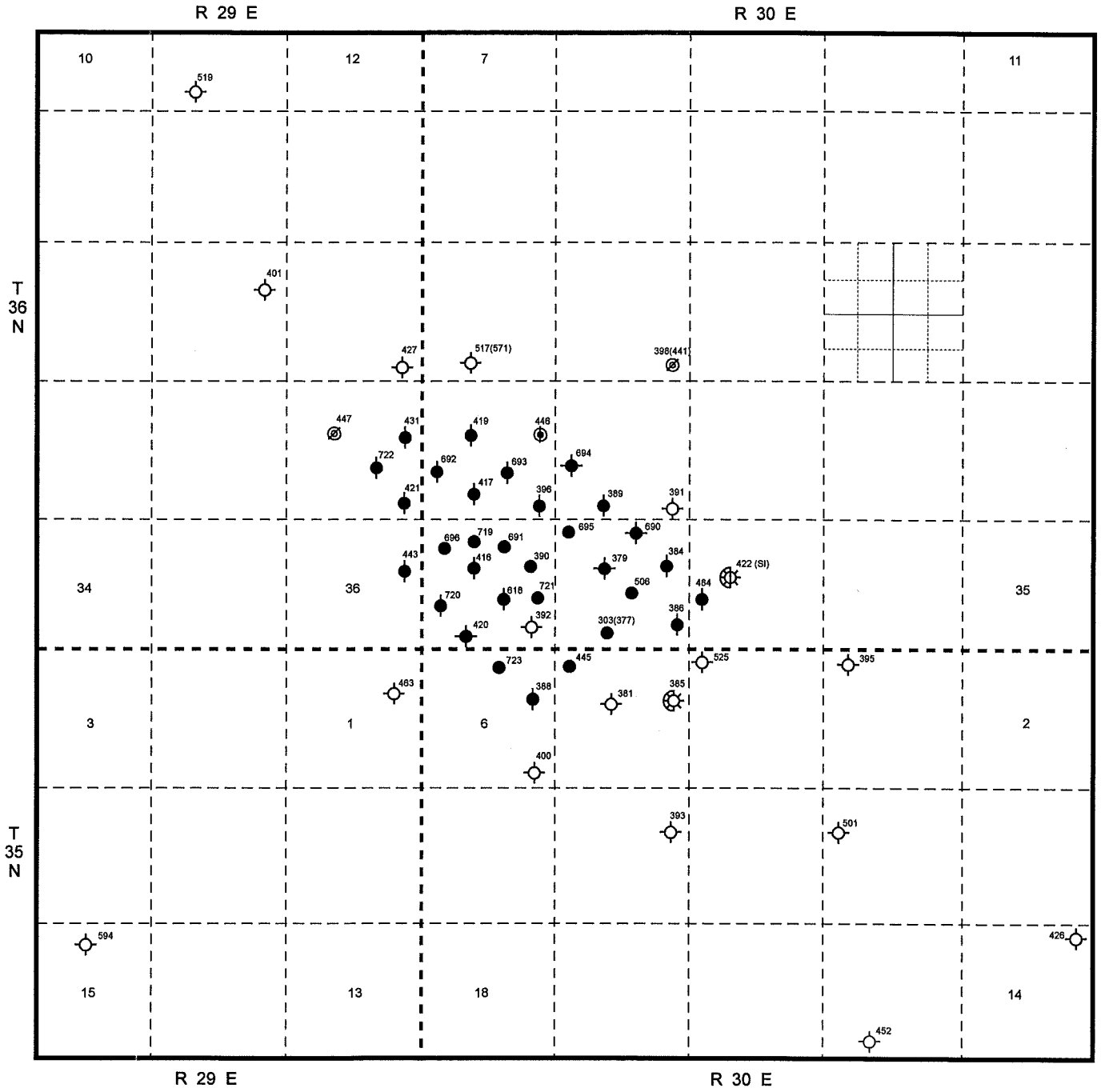
Total Depth: Total depth of well in feet

Fm at TD: The geologic age and formation at total depth

Additional well and field information is available for inspection or reproduction at the Arizona Geological Survey.

OGCC NO.	LOCATION		ORIGINAL OPERATOR	WELL NUMBER AND LEASE	WELL STATUS	ELEVA-TION	TOTAL DEPTH	FM AT TD
463	35N-29E	- 1 se ne	Pan American Pet. Corp.	1 Navajo-AE	D	8578 KB	5742	Miss. Redwall
594		-15 nw ne	Eastern Pet. Co.	1 Navajo-Chuska	D	6791 KB	3394	Miss. Redwall
395	35N-30E	- 3 nw nw	Anadarko Production Co.	1 Navajo-135	D	8143 KB	4242	Precamb. granite
525		- 4 nw nw	Mesa Pet. Co.	1 Navajo-B	D	8433 KB	3972	Penn. Hermosa
445		- 5 nw nw	Kerr-McGee Corp.	1-X Navajo-B	O	7741 KB	3165	Penn. Hermosa
385		- 5 se ne	Kerr-McGee Corp.	2 Navajo-B	H	8509 KB	4565	Precamb. granite
381		- 5 se nw	Kerr-McGee Corp.	1 Navajo-B	D	8503 KB	4130	Miss. Redwall
723		- 6 nw ne	Kerr-McGee Corp.	3 Navajo-138	O	8576 KB	4100	Penn. Hermosa
388		- 6 se ne	Humble Oil & Rfg. Co.	1 Navajo-138	OS	8278 KB	4280	Precamb. granite
400		- 6 se se	Humble Oil & Rfg. Co.	2 Navajo-138	D	8374 KB	4607	Miss. Redwall
393		- 8 se ne	Humble Oil & Rfg. Co.	1 Navajo-140	D	8635 KB	4854	Precamb. granite
501		-10 sw nw	Odessa Nat. Gasoline Co.	1 Navajo-8898	D	9310 KB	4978	Dev. McCracken
426		-14 ne ne	Kerr-McGee Corp.	1 Navajo-H	D	9044 KB	5345	Precamb. granite
452		-15 se sw	Humble Oil & Rfg. Co.	1 Navajo-146	D	8775 KB	4213	Precamb. granite
519	36N-29E	-11 se sw	Union Oil Co. of Cal.	1 Navajo-N11	D	7197 KB	3896	Precamb. granite
401		-23 se ne	Humble Oil & Rfg. Co.	1 Navajo-87	D	8980 KB	5505	Precamb. granite
427		-24 se se	Kerr-McGee Corp.	1 Navajo-F	D	8499 KB	4465	Miss. Redwall
722		-25 nw se	Kerr-McGee Corp.	6 Navajo-88	OS	8591 KB	4439	Penn. Hermosa
431		-25 se ne	Humble Oil & Rfg. Co.	2 Navajo-88	OS	8512 DF	4821	Precamb. granite
447		-25 se nw	Humble Oil & Rfg. Co.	4 Navajo-88	WDP	8670 KB	4500	Miss. Redwall
421		-25 se se	Humble Oil & Rfg. Co.	1 Navajo-88	OS	8175 KB	3850	Miss. Redwall
443		-36 se ne	Humble Oil & Rfg. Co.	3 Navajo-88	OS	8334 KB	3875	Miss. Redwall

OGCC NO.	LOCATION	ORIGINAL OPERATOR	WELL NUMBER AND LEASE	WELL STATUS	ELEVA-TION	TOTAL DEPTH	FM AT TD
517	36N-30E -19 se sw	Continental Energy Corp.	2-X Navajo-E	D	8632 KB	2170	Perm. De Chelly
571	-19 se sw	Republic Mineral Corp.	2-X Navajo-E	D	8632 KB	4449	Penn. Hermosa
398/441	-20 se se	Kerr-McGee Corp.	1 Navajo-E	WDP	7027 KB	3868	Precamb. granite
694	-29 nw sw	Kerr-McGee Corp.	23 Navajo	OP	7445 KB	3180	Penn. Hermosa
391	-29 se se	Kerr-McGee Corp.	8 Navajo	D	7177 KB	3660	Precamb. granite
389	-29 se sw	Kerr-McGee Corp.	7 Navajo	OS	7508 KB	3270	Penn. Hermosa
693	-30 nw se	Kerr-McGee Corp.	21 Navajo	OS	7515 KB	3264	Penn. Hermosa
692	-30 nw sw	Kerr-McGee Corp.	22 Navajo	OS	7642 KB	3300	Penn. Hermosa
446	-30 se ne	Kerr-McGee Corp.	10 Navajo	WD	7370 KB	3868	Precamb. granite
419	-30 se nw	Kerr-McGee Corp.	16 Navajo	OS	7571 KB	3221	Penn. Hermosa
396	-30 se se	Kerr-McGee Corp.	9 Navajo	OS	7894 KB	3720	Miss. Redwall
417	-30 se sw	Kerr-McGee Corp.	15 Navajo	OS	7697 KB	3246	Penn. Hermosa
719	-31 ne nw	Kerr-McGee Corp.	25 Navajo	O	8510 KB	4024	Penn. Hermosa
721	-31 ne se	Kerr-McGee Corp.	27 Navajo	O	8554 KB	4015	Penn. Hermosa
691	-31 nw ne	Kerr-McGee Corp.	19 Navajo	O	8544 KB	4075	Penn. Hermosa
696	-31 nw nw	Kerr-McGee Corp.	20 Navajo	O	8480 KB	3980	Penn. Hermosa
618	-31 nw se	Kerr-McGee Corp.	17 Navajo	OS	8633 KB	4008	Penn. Hermosa
720	-31 nw sw	Kerr-McGee Corp.	26 Navajo	OS	8888 KB	4469	Penn. Hermosa
390	-31 se ne	Kerr-McGee Corp.	6 Navajo	O	8345 KB	3835	Penn. Hermosa
416	-31 se nw	Kerr-McGee Corp.	14 Navajo	OS	8568 KB	3920	Penn. Hermosa
392	-31 se se	Kerr-McGee Corp.	5 Navajo	D	8534 KB	4620	Precamb. granite
420	-31 se sw	Kerr-McGee Corp.	13 Navajo	OP	8919 KB	4444	Miss. Redwall
690	-32 nw ne	Kerr-McGee Corp.	18 Navajo	OP	7355 KB	2954	Penn. Hermosa
695	-32 nw nw	Kerr-McGee Corp.	24 Navajo	O	7876 KB	3515	Penn. Hermosa
506	-32 nw se	Kerr-McGee Corp.	11 Navajo	O	7413 KB	2893	Oligocene sill/Hermosa
384	-32 se ne	Kerr-McGee Corp.	4 Navajo	OS	7374 KB	2960	Penn. Hermosa
379	-32 se nw	Kerr-McGee Corp.	2 Navajo	OP	7614 KB	3275	Penn. Hermosa
386(380) -	32 se se	Kerr-McGee Corp.	3-X Navajo	OS	8002 KB	3600	Penn. Hermosa
377(303) -	32 se sw	Kerr-McGee Corp.	1 Navajo	O	7573 KB	3864	Precamb. granite
484	-33 nw sw	Kerr-McGee Corp.	1 Navajo-C	OS	7952 KB	3590	Penn. Hermosa
422	-33 se nw	Kerr-McGee Corp.	2 Navajo-C	HS	7981 KB	4371	Precamb. granite



EXPLANATION

WELL SYMBOLS	WELL STATUS (December 2007)
●	Oil Producer
●	Oil - Shut In
●	Oil - Plugged and Abandoned
	Helium - (SI = Shut-in)
⊙	Salt Water Disposal
⊘	Salt Water Disposal - Plugged and Abandoned
⊖	Dry and Abandoned

DINEH-BI-KEYAH OIL FIELD

APACHE COUNTY, ARIZONA
WELL LOCATION MAP

SCALE
1 0 1 MILE